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The CHEMIST AND DRUGGIST

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 2928
VOL. CXXIV

MARCH 21, 1936

Annual Subscription (with
Diary) 20/- Single Copies 9d.

For increased sales link up with the Merry Andrews Health Crew.



The popular nature of the Andrews Spring and Summer advertising scheme is amply demonstrated by the happy sketch above—reproduced from one of the current Press displays. Featuring the "Merry Andrews Health Crew" this eye-catching series is now appearing in a greatly enlarged list of media, with a total circulation exceeding 32,000,000. Secure a full share of the resulting sales increase by giving prominent window or counter displays linking-up with this nation-wide campaign. Showcards, cut-outs and other Sales-aids gladly sent on request.

ANDREWS 1936 BONUS

A special Bonus is available to all those in the Trade who co-operate by giving displays to link up with the extended, intensified sales drive which has just commenced. The offer remains open until April 30th. Send for full particulars to your wholesaler or to:

SCOTT & TURNER LTD.
Andrews House, Newcastle-upon-Tyne, 2



ANDREWS LIVER SALT

HALIVEROL

SPECIAL TERMS
ARE AVAILABLE
FOR PHARMACISTS



PARKE, DAVIS & CO., 50, BEAK STREET, LONDON, W.1

Houbigant

continue
their powerful national
advertising campaign

Full pages in :

VOGUE, SKETCH, TATLER, BRITANNIA & EVE, EVERYWOMAN'S NASH'S, GOOD HOUSEKEEPING, WOMAN & HOME WOMAN & BEAUTY, PICTUREGOER, FILM WEEKLY

supporting still further the atmosphere of prestige which surrounds the renowned French brand and reminding your customers that :

1° HOUBIGANT, originators of "QUELQUES FLEURS" maintain absolutely intact their reputation for quality which has made them world-famous.

2° All HOUBIGANT Preparations are manufactured exclusively in FRANCE, at NEUILLY-sur-SEINE, near PARIS, under the personal supervision of their creators.

HOUBIGANT Preparations are obtainable from your usual Wholesaler, or direct from

PARFUMERIE HOUBIGANT
19, RUE DU FAUBOURG SAINT-HONORÉ
PARIS VIII

THE PERFUMERY MARKETING Co.

Prince's House
190, PICCADILLY
LONDON, W 1

will be pleased to reply to any enquiry.



32,000,000 WINDOWS TO YOUR SHOP



Large space 'ASPRO' advertisements are carried several times monthly by over 300 newspapers, with a total circulation of more than 32,000,000. They act as 32,000,000 effective windows for retailers who connect up by showing 'ASPRO' displays. To get the benefit of this stupendous advertising, as if you paid for it yourself, show 'ASPRO' display material prominently in your windows. People will come into your shop who would not otherwise have come. You will gain by increasing your sales of other lines in addition to 'ASPRO' sales. New designs for 'ASPRO' Window Displays are produced at frequent intervals. A typical display is illustrated herewith. Remember 'ASPRO' sales are continuous.

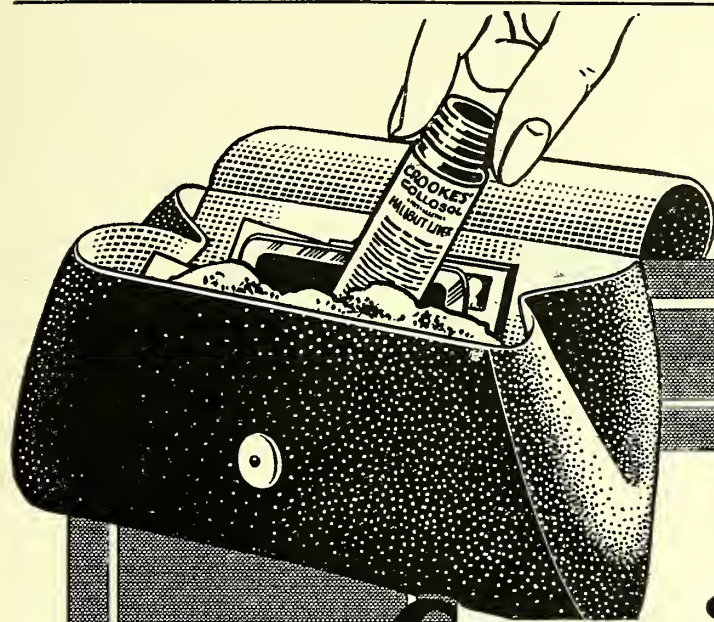
SEND NOW FOR
NEW 'ASPRO'
DISPLAY MATERIAL



'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority. No proprietary right is claimed in the method of manufacture or the formula.

Made in England by ASPRO LTD.
Slough, Bucks. Phone: SLOUGH 608

ASPRO
REG. TRADE MARK



"Health in a Handbag"

Convenient to carry — and to take

For adults capsules are the most convenient form of Crookes' Oil. One capsule after meals supplies all the vitamins A and D necessary to maintain perfect health. Could anything be more simple? A tremendous sale is assured by means of the intensive public press campaign to which the Pharmacy is linked by attractive window displays. You are urged to write at once for full particulars.

CROOKES'

PURE HALIBUT LIVER

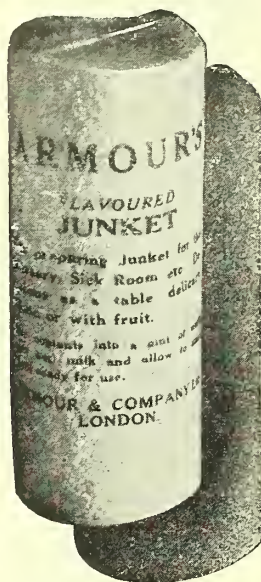
COLLOSOL **OIL** BRAND (Regd)

THE CROOKES LABORATORIES
(British Colloids Ltd.)
PARK ROYAL, LONDON, N.W.10

*It's a
PATA
line*

with

70% PROFIT ON OUTLAY



ARMOUR'S FLAVOURED JUNKET

A NEW PREPARATION TO CREATE NEW SALES

EASY TO PREPARE
A DELICIOUS
SWEETENED AND
FLAVOURED JUNKET
FOR THE SICKROOM
NURSERY & TABLE

ADD CONTENTS TO
A PINT OF WARM
MILK — STIR GENTLY
AND ALLOW TO COOL



ARMOUR & COMPANY LTD.

LABORATORY DEPT., ARMOUR HOUSE, ST. MARTINS-1e-GRAND, LONDON, E.C.1

TELEGRAMS: "ARMOSATA-CENT,"
LONDON

TELEPHONE: - - NATIONAL 2424

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TELEPHONES HOP 2422 (4 lines)
SHEN WORKS
TOWER BRIDGE ROAD
LONDON, S.E.1

RETAINS YOUR CUSTOMERS FIRMLY IN POSITION!

THE FINEST DENTURE FIXATIVE YET
MARKETED

DENFIX

ROBERT BLACKIE

MANUFACTURER OF FINE OINTMENTS

THEY MUST BE SPUN

TRADE MARK

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SALE RESTRICTED TO CHEMISTS ONLY

Showstand as illustrated — Supplied FREE
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HUILE d'OLIVE



Special Offer of
JAYTEES
HUILE D'OLIVE

To enable our customers to compete with all Multiple Stores and Company Shops

SELLING PRICE :

9d. · 1/3 · 2/3 · 4/-
PER BOTTLE

WHOLESALE PRICE :

6/6 • 9/9 • 17/- • 31/-
PER DOZEN

In Gross lots – less 5%

JOHN THOMPSON

(Wholesale Druggists 1921) **LTD.**

DUKE STREET, LIVERPOOL

Phone: Royal 1434 (6 lines) Wires: "Drugs, L'pool."



—and no mistake. The Veno products are among the chosen few whose sales are as good as guaranteed. Backed by big National advertising, with many years of public goodwill behind them, they are lines it will pay you to stock and display. Write for terms and show material (or if stocks are low) to the

VENO DRUG CO. LTD.

CHESTER ROAD • MANCHESTER • 16

SPECIALISTS IN THE MANUFACTURE OF PILLS & TABLETS

Established 1839

ARTHUR H. COX & LTD.
The Laboratories
BRIGHTON, ENGLAND.

*An organisation of wide experience and every facility for the
MANUFACTURING AND SELLING OF PHARMACEUTICAL PREPARATIONS.*

1 & 3 SECTIONS OF TWO COATING DEPARTMENTS	8 BATTERY OF PILL MACHINES
2 ROTARY TABLET MACHINES	9 SPECIAL COATING
4 ONE OF THE LATEST PILL MAKING MACHINES	10 BOX MAKING AND SHOW MATERIAL DEPARTMENT
5 BATTERY OF TABLET MACHINES	11 LABELLING MACHINES
6 ROTARY MIXER	12 SHOWCARD EMBOSSEING MACHINE
7 SECTION OF "WETS" DEPARTMENT	13, 14 & 15 PACKING DEPARTMENTS
16 & 17 PRINTING AND STUDIO DEPARTMENTS	

AN IMPORTANT ADVANCE in LIVER THERAPY

NEO-HEPATEX

(Parenteral)

For Intravenous and Intramuscular
Injection

A new liver extract of high potency prepared
by an original and distinctive method devised
by technicians at Evans Biological Institute.

The important advantages of NEO-HEPATEX are:
It is extremely pure, almost colourless, and absolutely
free from all toxic and depressant factors.

Issued in boxes of:

6	×	1 cc.	.	.	.	5/- per box
6	×	2 cc.	.	.	.	7/6 ..
3	×	4 cc.	.	.	.	6/6 ..

Evans Sons Lescher & Webb Ltd.

Manufacturers of Fine Chemical, Pharmaceutical & Biological Products

LIVERPOOL

LONDON E.C.1

DUBLIN

THE BIG THREE



profitable
lines plus
THREE
extra profits

Everyone knows that Anzora is the best hair fixative—and has been for the last thirty years. That is why Anzora is such a big seller. But did YOU know that Anzora supply 13 bottles to the dozen? That is—one free bottle for you with every dozen ordered, money that is sheer profit. Take advantage of this offer. Sell the hair fixative that is most popular—and make more money for yourself. Order in good stocks of Anzora—and get the fullest profit out of this unique offer.

THE GOLD MEDAL HAIR CREAM

TRADE TERMS
ANZORA CREAM AND VIOLA
9d. size ... 6/- per doz.
1/3 size ... 10/- per doz.
2/3 size ... 18/- per doz.
ANZORA BRILLIANTINE
1 1/2 bottle ... 8/- per doz.

ANZORA
MASTERS THE HAIR

ANZORA PERFUMERY CO., LTD., LONDON, N.W.6.

LA PARFUMERIE MODERNE

(Established 1908)

*An Illustrated Monthly Review of the
Perfumery and Allied Industries*

The regular publication (in English and Spanish as well as in French) of technical and practical articles on Essential Oils and Synthetic Perfumery Products is a feature of this popular Trade Journal.

Specimen copy and all particulars from

15 rue Constant, Lyon

7 rue Chevreul, Paris (Xle)



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CREATE BUSINESS**

The Laleek Stand as illustrated is unique both in its restrained dignity of design . . . and in its universal suitability for displaying a selection of my Preparations. You will appreciate that you are not limited to the display of the preparations shown, they may be changed at will . . . thus creating a regular interest and increasing demand for Laleek preparations.

**THE
LALEEK
DISPLAY
STAND**



The Laleek range of medically approved beauty aids, patronised by Royalty, are priced to suit all purses and cover every beauty need.
Write to me for details to-day.

ADELAIDE GREY 27 OLD BOND ST.
LONDON. W.1.

HAND MADE
SUPER RAZOR BLADES
These are best sellers!

1^D EACH 2^D EACH 3^D EACH

RYDER'S **HARDHEAD** **HUSSAR**

7/3 PER GROSS 14/ PER GROSS 18/ PER GROSS

YOUR OWN TRADEMARK ?

ORDER NOW EITHER THROUGH YOUR WHOLESALE OR DIRECT!
 (Samples with name of nearest wholesaler gladly sent on request)

WHOLESALE - We specialize in the production of blades under your own name - send us particulars stating quality & quantity of blades you are interested in - an offer with free samples will be sent per return.

RYDERS LTD.
 RYDENE WORKS, DUKES RD, WESTERN AV. ACTON, W.3

- THE -
"STATIC"
 Reg. No. 523,325
TOOTH BRUSH
BONE HANDLES
WHITE, UNBLEACHED, OR BLACK BRISTLES
 Names free on 6 doz. lots.
6/6 per doz.
 From all Wholesalers.

MANUFACTURERS:
W. R. SPEER & SON, 215 Dalston Lane, E.8
 EST. 100 YEARS.

Wanie FOREIGN
 9/100

Wanie FOREIGN
 AUTO TYPE
 9/100

Wanie FOREIGN
 REGISTERED
 8/- GROSS

WANIE

The Blade for Every Razor!

Send for Samples to Dept. C.D.
LONDON & PROVINCIAL FACTORS, LTD.
 146 THEOBALDS ROAD, W.C.1
 and at
 16 WITHY GROVE, MANCHESTER
 Enquiries from Irish Free State Invited.
 Wholesalers are invited to apply for Trade Terms.

3/9 GROSS
BRITISH BLADES

TIM
 HAND HONED

THE FAMOUS TIM
 REGD
 RAZOR BLADE

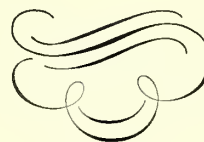


SPECIAL HANDKERCHIEF PUFFS

We beg to inform all stockists that, owing to the increase in price of raw materials, we are compelled to increase the retail price of the Iva Special handkerchief from 1/- to 1/6. The new wholesale price will be 12/- per dozen, thus showing an increased profit.

These new prices come into force on the 23rd March when we would ask our customers to increase the price of all stocks on hand.

We would take this opportunity of thanking our friends for their co-operation in the past and assuring them of our best services at all times.



IVA FUR PUFFS LTD.
 IVA HOUSE, GOLDEN LANE, LONDON, E.C.1

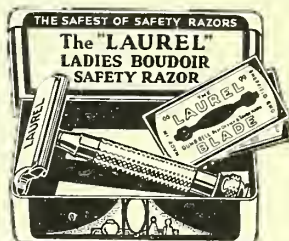
SHAVE WITH A "LAUREL"

"LAUREL PENNY BLADES—ALL TYPES"

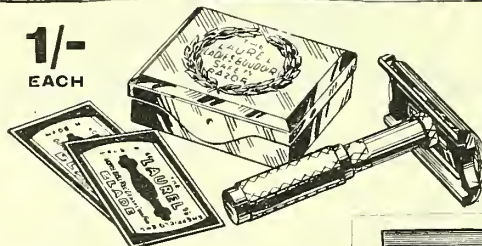
MADE IN SHEFFIELD, ENGLAND

"LAUREL"
LADIES' BOUDOIR
SAFETY RAZORS
(NICKEL PLATED)

6d.
EACH



1/-
EACH



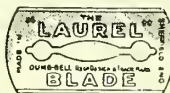
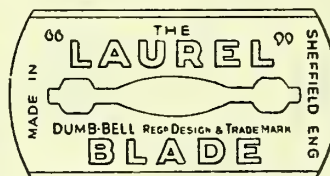
THE "LAUREL" LADIES'
GOLD PLATED BOUDOIR
SAFETY RAZOR

COMPLETE WITH TWO BLADES AS
ILLUSTRATED



**PENNY
BLADES**

FOR YOUR RAZOR
PACKET OF SIX
BLADES FOR
6d.

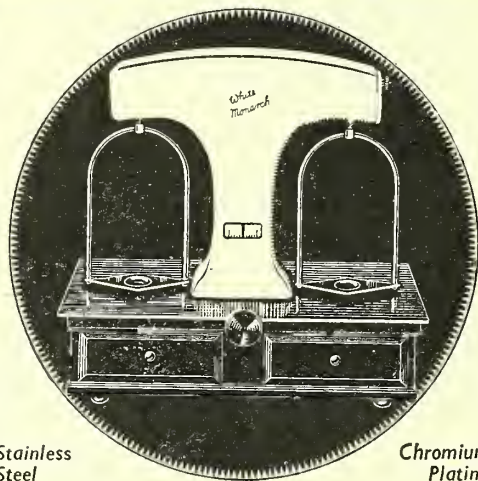


FITS ALL 3-PEG HOLDERS



GEO. H. LAWRENCE LTD. LAUREL WORKS, SHEFFIELD, 25571

WHITE MONARCH THE MODERN ENCLOSED DISPENSING BALANCE



Stainless
Steel

Chromium
Plating

Entirely protected from dust and fumes by the white porcelain enamelled housing. Strongly made to withstand hard usage and yet retain its sensitivity

ASK YOUR SUNDRIES HOUSE TO
SHOW YOU ONE

WILLIAM A. WEBB, Ltd.
4/5 Skinner Street, London, E.C.1

NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessities from him. Moreover, the continuous demand for it produces a quick turnover.

For Direct Terms apply to—

OSCAR SCRUTON & Co., YORK

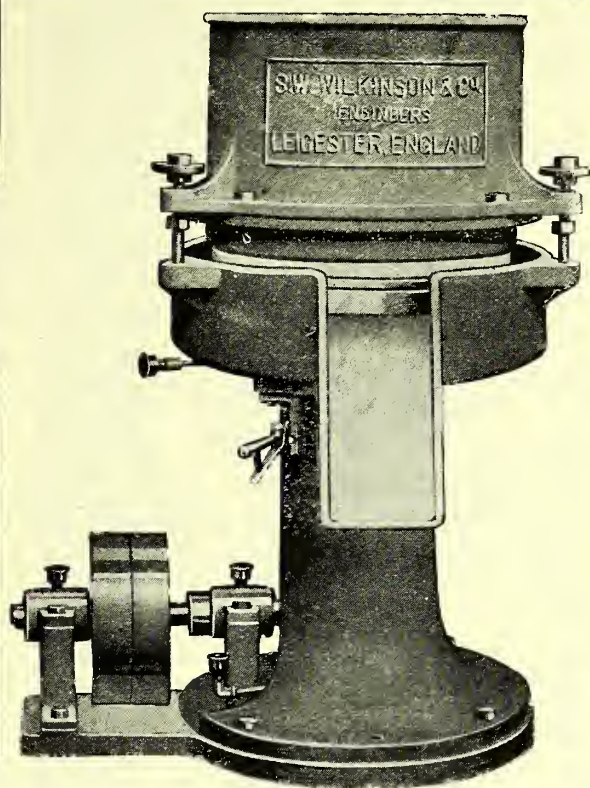
WE HAVE BEEN FITTING PHARMACIES
FOR OVER 50 YEARS IN ALL PARTS OF
OUR EMPIRE.

H. MILLS & SONS Ltd.

CHEMISTS' SHOPFITTERS
AND SHOPFRONT MANUFACTURERS
163-5 OLD STREET, LONDON, E.C.

Let us design your Pharmacy.
Always a Large Stock of New and Second-
hand Fittings.

SEND US YOUR ENQUIRIES.



The Latest Triumph in OINTMENT MILLS

SUPER SPEEDY MILL

IN REGULAR USE ALL OVER THE WORLD

THIS Machine is a combined Mixer and Grinder and is used very successfully in the production of all kinds of Ointments, Tooth Pastes, Beauty Creams, Patent Foods, etc.

Each Machine incorporates Thirty Years' Accumulated Experience

S. W. WILKINSON & Co.

*Chemical Engineers and Specialists in
Pharmaceutical Machinery*

Western Road, LEICESTER



SOMETHING NEW in WINDOW FITTINGS ALUMINIUM ALLOY PEDESTALS

Very Strong. Absolutely Stainless.
Cheaper than Chromium-plated Steel.
Rubber Caps cannot fall off.

No. 2972			
12"	...	4/3 each	48/- doz.
15"	...	4/6 "	51/- "
18"	...	5/3 "	60/- "
21"	...	6/- "	68/- "
24"	...	7/3 "	83/- "

CLEMENTS, NEWLING & Co., Ltd.
95 & 96 WOOD STREET, LONDON, E.C.2

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Founded by H. WOOTTON, B.Sc. C. W. GOSLING, Ph.C.

Principal:—IRVINE G. RANKIN, B.Sc., Ph.C.

Specialists in Training Pharmacists

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REVISION P.S. and C. & D., Apr.-June.

"Essentials of Pharmacy"

New Edition 66 post free.

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Telephone—BRIXTON 2161

CHIROPODY

A PAYING PROFESSION

Our Free Booklet, "Surgical Chiropody as a Profession," will show you how you can learn AT HOME the latest scientific methods of Foot Treatment. It is allied to your own profession. Qualify for the School Certificate (M.S.S.C.H.) and become a trained expert. Low Fees by instalments.

SCHOOL OF SURGICAL CHIROPODY
5 SMAE INSTITUTE - LEATHERHEAD

OPTICAL TUITION

FOR THE

S.M.C., B.O.A. and N.A.O. DIPLOMA Examinations

Particulars:—

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50 HIGH STREET, BARNET, LONDON, N.

DAY CLASSES

P. Sc. E. and C. & D.
Revision courses from
April 1st.

WESTMINSTER COLLEGE OF PHARMACY

Principal: P. H. WOODNOTH, Ph.C., F.C.S.

190 Clapham Road, London, S.W.9

BY POST

Preparatory and
Revision courses, at
any time.

THE
'ACCOSON'
TRADE MARK
"EASY SET"
the Clinical with the highest reputation

Accoson "Easy Set" are the most scientifically accurate thermometers made. Patented over 30 years ago, they are still the finest thermometers obtainable and are chosen by all discriminating Doctors

- No trouble in shaking down
- Clear reading
- Lifetime Accuracy

When next ordering Clinicals ask your Wholesale House to supply **'ACCOSON'** made

Customers name engraved on back of thermometers at no extra cost

NOW SUPPLIED IN INDIVIDUAL CARTONS

Obtainable from all leading Wholesale Houses

A. C. COSSOR & SON (THERMOMETERS) LTD
ACCOSON WORKS · VALE ROAD
FINSBURY PARK · LONDON, N.4

SINGLETON & COLE LTD.

THE Wholesale Tobacconists

Have had the Confidence of the Trade for well over Half a Century

PRICE LISTS ON APPLICATION
CANNON ST. - BIRMINGHAM

"HERNICURA" TRUSSES REGD. AND ALL SURGICAL APPLIANCES

CAN BE HAD WHOLESALE ONLY AT—

JEFFERSON & SONS

2 ETON ROAD, WOOLWICH, LONDON, S.E.18

FOR RETAIL IN GT. BRITAIN AND COLONIES SEND FOR ILLUSTRATED CATALOGUE.

SOUTHALLS SANITARY TOWELS

All the year round publicity, appearing in virtually every newspaper and magazine read by women, ensures steady sales to the dealer who stocks Southall's products,

The "ORIGINAL" and most popular.

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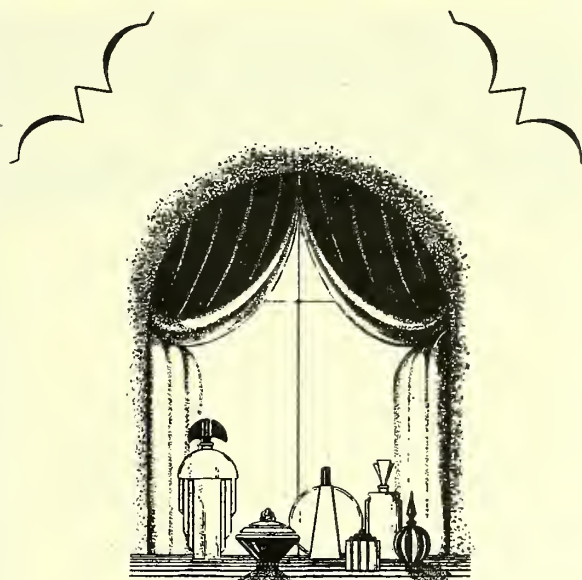
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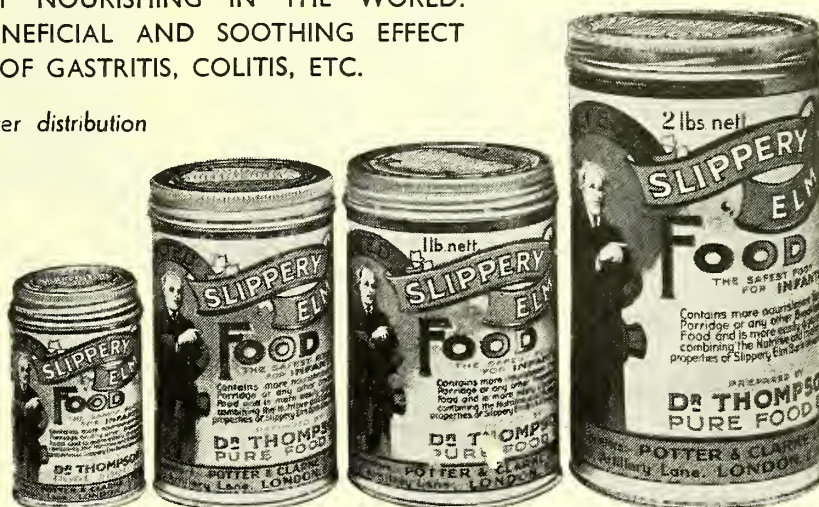
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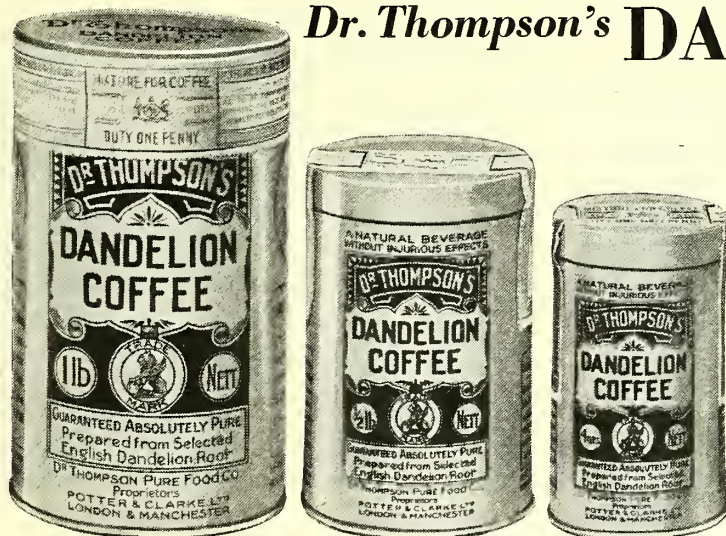
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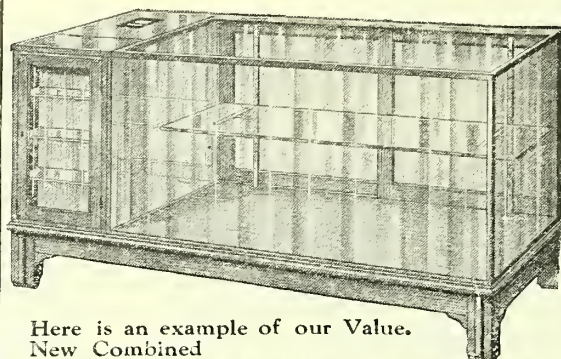
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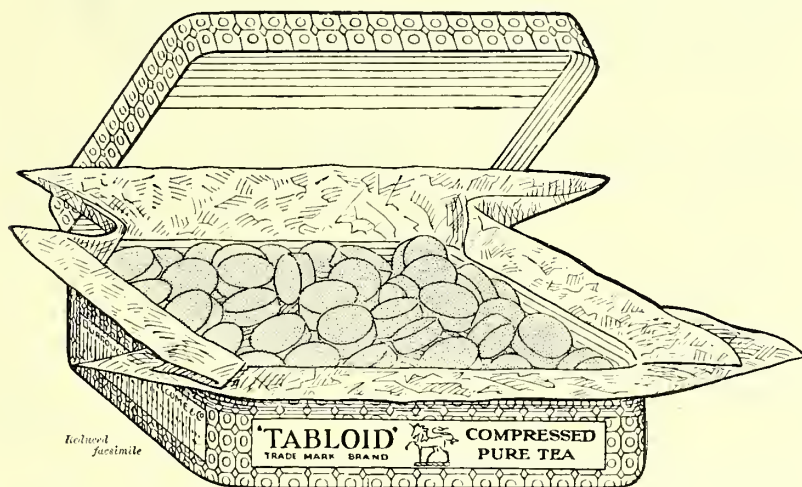
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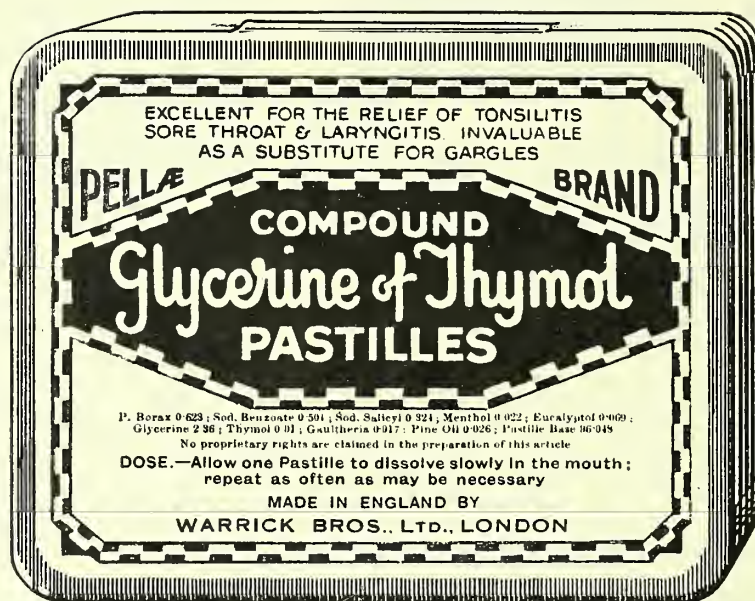
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News of the Week

Import Duties Advisory Committee Notice

The Import Duties Advisory Committee give notice that they have under consideration applications for increases in the import duties on:—

Powdered graphite, plumbago and blacklead, that is to say, graphite, plumbago and blacklead whereof more than 60 per cent. by weight passes through a No. 100 British Standards Institution sieve or more than 20 per cent. by weight passes through a No. 150 British Standards Institution sieve.

Any representations which interested parties may desire to make in regard to this application should be addressed in writing to the Secretary, Import Duties Advisory Committee, Caxton House (West Block), Tothill Street, Westminster, London, S.W.1, not later than April 9, 1936.

Proprietary Articles Trade Association

At a meeting of the Executive Committee of the P.A.T.A. Council, on March 11, copies of circular letters and correspondence issued as replies to the statement by the Council on the position of the P.A.T.A. in relation to the Chemists' Friends Scheme were considered. The Executive Committee decided that although certain of the assertions made in these communications called for reply from the P.A.T.A., no further statement should be made for the time being, in view of the fact that negotiations were proceeding with the National Pharmaceutical Union.

Wine Licence Applications

At South Shields, on March 12, the justices refused to renew the wine off-licences held by Mr. G. T. Brown, chemist and druggist, and Mr. R. T. Bell, chemist and druggist, following objections by the chief constable, who stated that in each

case wines had been sold which were not permitted by the licence.

At Yeovil, on March 4, similar objections were lodged by the local licensed victuallers' association against the renewal of the licence of Mr. H. B. Perrott (Perrotts Cash Pharmacy, Ltd., chemists, Martock). On an undertaking being given to sell only the medicated wines specifically mentioned the licence was renewed.

Sessional Events

A lecture was given to the Lancaster, Morecambe and District Branch of the Pharmaceutical Society in the Lecture Theatre, Storey Institute, Lancaster, recently, on "The Preparation and Standardisation of Antitoxins and Prophylactics, with special reference to Diphtheria," by Mr. F. E. Rymill, B.Sc., A.I.C. (Evans' Biological Institute). The lecture was illustrated by lantern slides and a cine film.

The final whist and bridge drive of the season of the Nottingham and District Branch of the Pharmaceutical Society was held at the Milton Café, Nottingham, recently. Messrs. F. W. Shepherd and F. A. Bates were in charge of the different sections, and the prizes were won by the following:—Whist, Mrs. Prince, Mr. J. Ball and Mrs. Manser. Bridge, Messrs. T. Freeman, H. Oscroft and W. Frost Wood.

Members of the Warrington and St. Helens Branch of the Pharmaceutical Society held their annual whist drive and dance at the Fleece Hotel, St. Helens, on March 5, when the ninety guests were received by Mr. J. Glover (president) and Mrs. Glover. Prize-winners in the whist drive were Miss L. Hindley, Miss G. Hodgkinson, Mr. Newcombe and Mr. W. E. Dolan. The M.C.s were Messrs. F. Flynn, R. L. Jones and W. Topping.

After-Dinner Speeches

The hope that during the next few years a "real Pharmacy Bill" would be promoted was expressed at the annual dinner of the Norwich Branch of the Pharmaceutical Society on March 3 by Mr. Thomas Marns (vice-president of the Society). Replying to Mr. J. F. Collin, who, from the chair, had stated that the 1933 Act had come as a shock to pharmacists, Mr. Marns admitted that it was not the kind of thing they would have desired if they had had a free hand in the framing of the Bill, but declared that it was not given to them as individuals or corporate bodies to get everything that they would desire. There had emerged a Bill which, if it did not give them all they desired, gave them very much more than they might have had if things had gone as they threatened to at the start. The Society still remained the master of its own business. They had had an inspection thrust upon them, but they were to be inspected by their own people and not by outsiders. The question of poisons had been forced upon the Society, and having got it out of the way they hoped before long to make pharmacy in this country as important as it was on the Continent. The prestige of the Society in Government departments to-day was higher than it had ever been before.

The annual dinner of the Anglesey, North Carnarvonshire and Colwyn Bay Branch of the Pharmaceutical Society was held at Bangor on March 11. The guests of the evening were the Mayor of Bangor and Principal Emrys Evans (University College of North Wales). The chairman was Mr. Llew. W. Jones, Amlwch (president), who proposed the toast of "The City of Bangor." "The Pharmaceutical Society" was submitted by Principal Emrys Evans. He was glad that pharmacists had been putting their house in order educationally. As the result of co-operation between the Welsh National School of Medicine and the Welsh School of Pharmacy, Cardiff, it had been decided to institute a degree of pharmacy in the University of Wales. Mr. G. H. Hughes, Conway (treasurer), responded. Mr. D. A. Bryan, Penmaenmawr, referred to the presence of the candidate of the United Chemists of Wales at the forthcoming Pharmaceutical Society Council election, Mr. G. R. Knox-Mawer. Dancing followed, Mr. R. Glover, Bangor and Portdinorwic, acting as M.C. Whist was provided in another room, where Mr. Edwards, Liverpool, acted as M.C., and prizes were won by:—*Ladies*, (1) Mrs. Weeden, (2) Miss M. Williams. *Gentlemen*, Mr. T. G. Hughes, Deiniolen, and Mr. E. R. Vaughan, Bangor. Novelty dance prizes were won by Miss Gladys Evans and Mr. H. R. Evans, Bethesda; Miss Bryan and Miss Walford, Penmaenmawr; and Miss Phyllis Evans and Mr. E. G. Thomas, Bethesda.

The Mayor and Mayoress of Luton were the chief guests at the thirteenth annual dinner of the Bedfordshire Branch of the Pharmaceutical Society of Great Britain, held at the George Hotel, Luton, on March 5. Mr. H. W. S. Wynter (president) occupied the chair, and nearly 150 people were present. The guests included Mr. H. M. Lloyd (a member of the Society's Council), Mr. S. J. Stearn (chairman of the National Pharmaceutical Union Executive), Mr. John Evans (Cambridge), parties from Bedford, Hitchin, the St. Albans and Watford Branch, and representatives of wholesale houses. Mr. Wynter, wearing for the first time the Branch's presidential badge, with which he was informally invested by Mr. Lloyd, said that with the exception of the war period he had spent thirty years behind a chemist's counter. To any young man who intended coming into pharmacy he would say: "You will not make a fortune. I am very doubtful if you will make an old age pension. But if you stick to your business, give willing service and work long hours you will make a reasonably good living." Mr. H. M. Lloyd, responding to the toast of "The Pharmaceutical Society," urged every member to pay close attention to the Society's doings. The Society was at present considering ways and means by which the provisions of about seven Acts might be brought together in a consolidating Act. The remuneration of the pharmacist, he said, was very bad when one considered the standard of education demanded of him to-day. The dinner was organised by Mr. G. N. Shelton. A dance followed, at which Mr. E. H. Burroughs was M.C.

Bradford

The Bradford District Branch of the National Pharmaceutical Union met on March 10, Mr. A. Craven in the chair. Mr. W. Sutcliffe gave his report as delegate to the London Conference. Mr. Sutcliffe said there seemed to be a general feeling among

chemists throughout the country that in the Chemists' Friends scheme something really vital had been started which was bound to be a success. Bradford Branch had recommended the abolition of the local correspondents scheme of the N.P.U., and this was suspended. Clinics would be allowed to have C.F. goods for distribution in connexion with their work, but not for re-sale. The chairman and several other members expressed a strong feeling in favour of the establishment of a £5 5s. patent-medicine licence fee instead of the present fee of 5s. After remarks from Mr. W. Brown, Mr. S. H. Bolton (secretary), Mr. Richardson, Mr. J. W. Thorpe and others, the meeting decided to send to N.P.U. headquarters a resolution endorsing Bradford's previous plea for efforts to be made to secure a £5 5s. licence fee. Mr. Askew suggested that chemists should have some marking or letters which could not be used by anybody outside the profession. The letters "B.P." represented a certain standard of goods, but they could be used by anybody so long as the article was up to standard. On the motion of Mr. Kitchen, the meeting agreed to submit to N.P.U. and Pharmaceutical Society headquarters a suggestion that the time was opportune for efforts to secure restriction of the sale of B.P. standard products to chemists only. Arising out of a protest from Bradford, some time ago, about the confusion caused by varying sizes of different manufacturers' capsules and tablets, though of equivalent medicinal strength, a letter was now received from the Pharmacopœia Commission, stating that they did not wish to take up standardisation of size. The meeting reiterated its previous protest.

Coventry

A meeting of the Coventry Branch of the National Pharmaceutical Union was held on March 10, when Mr. A. Chamings, B.Pharm., Ph.C. (head of the Pharmacy Department of the Leicester College of Technology), spoke on the subject of "Pharmacology and the Pharmacist." Mr. W. A. Bales was in the chair. Mr. Chamings said that the introduction of physiology into the syllabuses of the Pharmaceutical Chemist Diploma and B.Pharm. degree with the added requirement of a certain knowledge of pharmacology was one which was fully warranted by the trend in modern pharmacy. Whilst the presence or absence of vitamins, hormones and even antitoxins, vaccines, etc., could be related to specific diseases, in the same sense this could hardly be said to be true of those much greater sections of the pharmacologist's armamentarium—crude drugs and their products, organic and inorganic chemicals. Pharmacology was an empirical science involving trial and consequently error—its subjects of investigation being, in these days, almost infinite in number and its "test-tube" the whole human race. Professors Harrington and Barger in their monographs, and De Quincey in his classic "The Confessions of an Opium Eater," have shown something of the work involved in the investigation of thyroid, ergot and opium. It was fortunate, perhaps, that in the last fifty years successive editions of the B.P. had gradually narrowed down the subjects for pharmacological investigation, at any rate among the crude drugs of vegetable origin, until now only one-third of the total of those of the B.P., 1885, survived in the B.P., 1932. It was of interest, however, to note the large number of monographs on crude vegetable drugs in the B.P.C., 1934, including such "relics" of herbalism as angelica, mandrake, bittersweet, celandine, cowhage, scullcap, comfrey, coltsfoot, mistletoe, sage, elder and peppermint.

It was pertinent to inquire the reason for the retention of these crude drugs and to raise the question as to who are the legitimate purveyors of these remedies. Certain it was that tons of them (and their preparations) are sold annually—but not by those whose title is "chemist and druggist." If it were replied that they have no value it could be retorted that their clinical effects have been abundantly attested in innumerable cases, and if it were stated that their sales are outside the scope of the profession of pharmacy, then it was as well to be reminded that carrying this statement to its logical conclusion would mean the closing down of many pharmacists' businesses. It was surprising to notice how few crude drugs of the present Pharmacopœia are indigenous to Great Britain—seven in all—and again of interest to ask why, for example, our chief purgatives must be brought from the ends of the earth. Of colocynth Lawrence says, in "The Seven Pillars of Wisdom":—"The ground (in Arabia) was luxuriant with colocynth . . . The Ageyl said that the best aperient was to drink camel's-milk from cups of the scooped-out rind. The

Ateibi said that he was sufficiently moved if he just rubbed the juice of the fruit on the soles of his feet. The Moor Hamid said that the dried pith made good tinder. On one point however they were all agreed, that the whole plant was useless or poisonous as fodder for camels." The 1932 B.P. includes for the first time, in connexion with a half a dozen or so of its most important drugs, standard powders—a tacit admission of the desirability of administering in some cases, at any rate, the whole drug in the form of a powder either chemically or biologically assayed. But how many drugs, it might be asked, are curative? Whilst much was known of the action of many, there were comparatively few which might be called specific.

Exeter

The Exeter and District Branch of the Pharmaceutical Society met at the Rougement Hotel on March 18, when Mr. H. Wippell Gadd, barrister-at-law, delivered an address on "The New Poisons List and Rules." At the outset of his exposition Mr. Gadd remarked that the List and Rules needed careful study by all whom they concerned. They were by no means simple, the main List being modified by the Schedule and Rules, which were complicated and abstruse, and by references to the parent Act. He did not propose to criticise any of the new provisions; for good or ill they were law, and although, if proved unworkable or harmful, they could be amended by the complicated process laid down in the Act, it was at once too late and too soon to suggest alterations at present. Mr. Gadd proceeded to give an outline of the Pharmacy and Poisons Act, 1933, the List and the Schedules, explaining the difference between authorised sellers of poison and listed sellers. He read the first two paragraphs which originally appeared at the head of the List, adding that they were still implied. His classification of poisons followed, together with notes on some of the less familiar substances (the names of most of which are trade marks). Mr. Gadd emphasised the necessity of manufacturers giving full information on labels concerning any scheduled poisons that may be contained in the respective products. He suggested that if such names did not show under which heading a product falls, this information should be given, and that products saleable only on prescription should be marked with the initials "P.O." Date of coming into force, storage, containers and labelling were among other matters dealt with; after which dispensing, hospital work, wholesale trading, manufacture and animal medicines were discussed in turn, concluding a thorough and systematic examination of the Act, List and Rules.

Liverpool

A meeting of the Liverpool Branch of the Pharmaceutical Society was held on March 12, when resolutions to be submitted at the Bournemouth Conference were discussed. The president (Mr. G. L. Clubb) was in the chair. In proposing that immediate steps be taken to ensure that the dispensing of all medicines shall be confined to registered pharmacists, Mr. W. J. Tristram remarked that Mr. Linstead was addressing a meeting in Liverpool recently and was asked whether it was not opportune to have a new Pharmacy Bill introduced which would give the chemist the right to dispense all medical prescriptions. In reply, he said first that pharmacy had had enough legislation for the time being, that we wanted to be left alone for a period to allow the Society some leisure, that in any case we could not get this legislation—public opinion was not ready for it—and that all we could do was to try and influence public opinion so that eventually, over the course of years, there would be a gradual subconscious bond and some day perhaps something on this line might be done. "That, apparently, is the present official position," remarked Mr. Tristram, "but just let us see how the official attitude has changed over the course of a few years. First stage: No Bill unless certain provisions are included; second, accept and then have another Bill. Now the third stage: Possibly some day, by a gradual forming of public opinion, it may be possible. Returning to Mr. Linstead's point in which he said that pharmacy is tired of legislation, is not the reply to that that we are tired of restrictive legislation, but pharmacists would welcome with open arms legislation which would give to pharmacists the dignity to which they are entitled? The second point Mr. Linstead made was that we could not get it. I don't believe it. The pharmacists' claim is a reasonable one. The State demands a certain standard of skill, education and training, and the State therefore is under an obligation to see that

those services are utilised by the community to their fullest extent. The reservation of dispensing, from the point of view of pharmacy, is mainly a question of elementary justice. Under the provisions of the N.H.I. Acts the insurance prescriptions can be dispensed by the registered pharmacist only. There is no possible suggestion for any distinction being made in this matter between the insured and the non-insured persons. . . . From the point of view of the general practitioner I cannot believe that he would raise any very serious objection. Any protest he might raise could not be in the public interest, it could only be from motives of self-interest. . . . I propose that a committee should be set up to collect evidence. It should be representative of pharmacy and, if possible, the medical profession. Some day, whether we like it or not, there is going to be another Pharmacy Bill; the committee would put us in a state of preparedness, and I believe that the evidence they will be able to produce will be overwhelming and that pharmacy will soon be in a position to press for legislation and with the fullest confidence will be able to state a case based on justice for the pharmacist." After discussion, it was agreed that the resolution should be presented at the British Pharmaceutical Conference.

Mr. Tristram also proposed a resolution dealing with the representation of branches at the Conference. Liverpool demanded that the number of delegates which each branch should be entitled to send should be in proportion to the number of its members.

London

In the Court of Criminal Appeal, on March 18, the Lord Chief Justice, Mr. Justice Macnaghten and Mr. Justice du Parc dismissed the appeals by Garabed Bishirgian, produce broker, John H. C. E. Howeson, director, and Louis Hardy, director, who were convicted at the Central Criminal Court on February 21 of offences arising out of the recent pepper trade crisis (*C. & D.*, February 29, p. 234). In giving the judgment of the Court, the Lord Chief Justice said that to advertise a business as an ordinary business seeking development when money was really being asked for to feed and supply an ambitious gamble was simple deceit. When one analysed the excuses offered on behalf of the appellants they came to no more than the excuses of an office boy who took half-a-crown out of a till because he had a good tip for the Grand National.

A trial lasting three days, in which over forty witnesses were called for the prosecution, concerning charges of breaking into shops in South London ended at London Sessions on March 6. Henry Williams, sen., gramophone dealer; his daughter Lily Maxwell, dressmaker; Benjamin J. Thomas, hawker; and Henry G. Williams, fruit dealer, were the defendants. Among the shops mentioned was that of Mr. G. Waite Wilson, chemist and druggist, Lewisham High Road, S.E., from which money, shaving brushes and other articles were stolen. The prisoners were also charged with receiving the stolen property. The jury returned a verdict of "Guilty" on the charge of conspiracy to receive stolen property against all four prisoners. Williams, sen., was found "Guilty" on three counts of receiving and acquitted on the others. Thomas was found "Guilty" on all counts; Maxwell was convicted on five counts of receiving and acquitted on the others; and the younger Williams was convicted on all counts except one. The older Williams was sentenced to twelve months' hard labour; Thomas to two years' hard labour; the younger Williams to eighteen months', and sentence on Maxwell was postponed until next sessions.

At a meeting of the North London Pharmaceutical Association on March 17 reference was made to the death of Mr. G. Duncan Bowie, a founder-member. Mrs. Skinner read a paper on "Cosmetics," stressing the importance of further experiment. Difficulty arose from the great variety of substances used in beauty treatment. The blending of colours was an art in itself, and balancing these for any particular complexion required careful consideration if no failure was to be registered. A foundation cream should be so constructed as to avoid the heavy deposit of powder required to cover the cream. Hormone skin creams had many claims made on their behalf, but rejuvenation was not quite so easy. Cleansing creams required an oil, and usually liquid paraffin was found necessary. In lipsticks the process was really simple, as they depended upon a balanced base of wax and oil. Protective creams should be of a non-greasy substance, yet leaving a

sufficient surface for protection. Eye lotions should be on an isotonic basis, while nail varnishes had their secret in the mixture of plasticisers which commercial development had made possible. The speaker said the subject was so extensive that it was impossible to deal with all the points that might arise. It was up to pharmacists to cater for this modern development of cosmetics. Mr. Skinner commented on the paper, and numerous questions were put and answered.

The annual social gathering of the London Chemists' Golfing Society is unusual in that one meets there chemists in the retail and wholesale who do not habitually frequent pharmaceutical functions. The lure of the links rather than the lore of the learned draws them together. This year the dinner and dance was on March 12 at the Trocadero, where the president (Mr. Leslie J. Morson) and Mrs. Morson welcomed over 200 guests. The speeches were short and to the point, being, naturally enough, punctuated with golfing stories—ancient and modern. The toast of the Society was ably proposed by Mr. Thomas Marns, who congratulated himself that on that occasion he had not to respond for the Pharmaceutical Society in his capacity as vice-president. The reply was by Mr. W. M. Ballantyne, captain of the Club, after which Mr. J. Tinbell proposed "The Chairman" and Mr. Morson made an amusing response. The prizes for the year were presented by Mrs. Morson as follows:—

Sanger cup, R. R. Gordon. Vinolia prize, W. E. Cane. D. & W. Gibbs prize, F. G. Wells. Thomson cup, G. Beaton. Kerfoot trophy, J. Abernethy. Rowland Stagg prize, I. C. Don. Hepburn shield, T. W. D. Turner. Burgoyne cup, L. J. Morson. "British and Colonial" cup, H. Warburton. Mentholatum prize, G. B. Thompson. Leichner cup, J. Abernethy. Arthur H. Cox prize, R. Collings. Yardley cup, R. R. Gordon. Captain's prize, W. Hargreaves. President's prize, E. C. Pryce. Morny's prize, F. C. Jones. Society's prize, R. Cobban. Jubilee cup, F. C. Jones. Yeast-Vite trophy, W. M. Ballantyne.

No golfing function could be complete without Mr. Dan J. Parry, who revelled in the toast of "The Ladies and Visitors," for whom Mr. Martin Daniels had come all the way from Nottingham to reply. The room having been cleared and the famous Trocadero curtain lowered, dancing was begun about 9.30 p.m. and kept up vigorously till after midnight. A cordial word of praise is due to Mr. W. E. Cane, the secretary and treasurer for the smooth excellence of the entertainment.

Manchester

An emergency meeting of the Manchester, Salford and District Branch of the National Pharmaceutical Union was held at the Houldsworth Hall on March 13, Mr. E. Stabler in the chair. The chairman explained that the meeting had been called to discuss the differences that had arisen between the N.P.U. and the P.A.T.A. over the Chemists' Friends scheme. Mr. W. I. Scholes (N.P.U. Executive) and Mr. E. H. Simmons (P.A.T.A. Council) dealt with the position created by the P.A.T.A. circular and Mr. Mallinson's reply from the point of view of their respective organisations. After a long discussion the following resolution was accepted unanimously:—"That this meeting is of the opinion that the Chemists' Friends scheme should be proceeded with but that every effort should be made to co-ordinate the aims of the C.F. scheme with those of the P.A.T.A."

On March 11 members of the Manchester University Pharmacy Students' Association, accompanied by members of the staff, paid their annual visit to Liverpool. The party visited the Fleet Street Works of Evans Sons Lescher & Webb, Ltd., where they were received by Mr. Sendall, a director. The opportunity of seeing large-scale galenical manufacture as part of the everyday routine of a wholesale house was much appreciated by the students. The party was afterwards entertained to tea at the Bear's Paw. Mr. T. Edward Lescher (managing director) welcomed the visitors. A vote of thanks was proposed by Mr. H. Brindle (head of the Department).

The students also visited the manufacturing laboratories of Ayrton, Saunders & Co., Ltd., Hanover Street, on the same day. Two parties were conducted by directors, who demonstrated many processes and products. The extensive plant for printing and box-making and the highly skilled glass-blowing particularly caught the eye. A much-appreciated social function followed, at which the board was represented by Mr. Dalrymple and Mr. Chapman.

Nottingham

The Sir Jesse Boot Foundation lecture was given at University College, on March 13, by Professor E. C. Dodds (Courtauld Professor of Biochemistry, University of London) on "The Chemistry of the Ductless Glands." The lecture was illustrated by lantern slides.

The annual dinner of the Nottingham and District Branch of the Pharmaceutical Society was held at the Victoria Station Hotel, Nottingham, on March 12, Mr. C. E. Reynolds in the chair. Mr. A. R. Melhuish (a member of the Society's Council), responding to the toast "The Pharmaceutical Society," dealt with the removal of lysol from Part I of the Poisons List, the training of apprentices and other matters. The company included Mr. A. R. Melhuish (past-president of the Pharmaceutical Society), Professor H. A. S. Wortley, M.A. (Principal, University College, Nottingham); Mr. J. E. Greenwood, M.A., LL.B., A.C.A.; Mr. W. Lee and Mr. A. Sugden (directors and secretary, Boots, Ltd.); Mr. J. R. S. Briggs and Mr. P. D. Spaanderman, Mansfield; and Mr. Alder (clerk to the Nottingham Insurance Committee). Mr. Melhuish took advantage of his visit to Nottingham to go over University College, where he addressed the students.

Sheffield

The staff of Mr. Victor W. Wood held a supper dance at the Mikado Café on March 10. Members of the staff and friends to the number of 120 joined in the dancing.

At a recent meeting of the local Branch of the Pharmaceutical Society a lantern lecture on the life of William Allen, one of the founders of the Society, was given by Mr. E. C. Cripps (Allen & Hanburys, Ltd.). The meeting heard with interest that five Fellows of the Royal Society had been connected with the Plough Court Pharmacy, its founder, Silvanus Bevan, being the first. The lecture was profusely illustrated with slides made from the old records. At the conclusion of Mr. Cripps's lecture a set of slides was shown illustrating the formation of the Branch of the Society in Sheffield in 1841. Mr. John Austen gave interesting details concerning his investigation into this.

Miscellaneous

A UNION'S REPORT.—The forty-fifth annual report and balance sheet of the National Amalgamated Union of Shop Assistants, Warehousemen and Clerks, covering the year 1935, states that membership of the Union stands at its highest point for the past fifteen years. Income during the past ten years has exceeded £750,000, while the Union has paid out in benefits more than £250,000 over the same period. The accumulated funds of the Union in the same period have increased by £47,000. It is estimated that, as a result of negotiations, increases in wages have been secured during the year amounting to over £150,000 per annum. Other parts of the report deal with the educational activities of the Union, particular attention being given to the work which has been carried out in organising one-day schools in all part of the country.

IN THE COURTS.—At Stockport Sessions, recently, Edwin Schowcroft, Great Portwood Street, was summoned for having sold glycerin certified to consist of 90 per cent. of glycerin and 10 per cent. of water, the bottles being labelled "Pure Redistilled Glycerine, guaranteed B.P." Mr. E. Moore, who prosecuted, said that the bottles were marked 1s. 3d., but were sold for 4d. each. Mr. W. H. Sidebotham, of Holland, Sidebotham & Co., manufacturing chemists, Denton, who supplied the liquid, said it was obvious that an employee had filled up the bottles from the wrong drum. A fine of 40s., with costs, was imposed.—At Luton, recently, Harry Hammond, grocer, was fined 20s., with 42s. costs, for having sold vinegar containing sulphur dioxide. Mr. Anderson, who defended, put in a statement to the effect that the vinegar contained only 40 parts of sulphur dioxide per million. When the regulations were made some years ago representatives of various manufacturing interests communicated with the Government Department, and pointed out that sulphur dioxide was necessary in their products for use as a preservative. Unfortunately, vinegar manufacturers did not do that, and vinegar had been left out of the list of commodities in which preservatives could be used within specified limits.—At Brighton, on March 12, Frank A. Lee, Upper St. James's Street, was fined £5 for having sold lysol, he being an unqualified vendor.

Irish Notes

Ulster Chemists' Association

The monthly meeting of the Executive Committee was held in the premises of the Pharmaceutical Society of Northern Ireland, Belfast, on March 3, the president (Mr. J. McGregor) in the chair. Before proceeding to business the president referred in appropriate terms to the bereavement suffered by Mr. W. J. Hardy through the death of his brother, Mr. T. H. Hardy, D.L., who was a prominent personality in co. Armagh. A resolution of sympathy was passed which included Mr. Hardy, Mr. R. S. Anderson, Fivemiletown, who had been bereft of his wife, and Mr. R. Boyd Abernethy, Holywood Road, Belfast, whose father had passed away. The secretary reported that practically all the firms included in the list of Chemists' Friends for England and Wales had agreed to the extension of the scheme to Northern Ireland, and it was anticipated that this arrangement would be finally completed very shortly. Mr. James McDowell thought that a full statement should be issued to the retail trade explaining the position and advising when the scheme would begin to operate, as at the moment members did not know how matters stood. It was agreed that at the earliest possible moment a letter giving full particulars should be sent to each member. Mr. James McDowell proposed the notice of motion standing in his name that the sum of £75 be allocated for expenditure on advertisement purposes. Mr. J. Adams seconded, and the motion was passed unanimously. Mr. Shinner gave further details of the advertising scheme, and high appreciation was expressed of the efficient manner in which he was carrying on this important work. Price alterations were adopted. At the conclusion of the meeting the president entertained the members to supper, and a vote of thanks for his hospitality was passed by acclamation.

Dublin Photographic Dealers

A proposal that the Dublin Branch of the Photographic Dealers' Association become affiliated with the Irish Drug Association, as a photographic section, and that a resolution to this effect be sent forward to the I.D.A. for consideration, was unanimously agreed to at the annual meeting of the Dublin Branch of the P.D.A. held on March 10, Mr. John Smith, M.P.S.I. (chairman), presiding. Mr. Lyall Smith, M.P.S.I., the secretary, in reporting on the work of the Branch, stated that the entire P.D.A. membership in the Free State was 335, of which the Dublin Branch had 287 members and the Cork Branch forty-eight.

The chairman said they had to congratulate themselves on the remarkable success of their Exhibition, which was largely due to the enthusiasm and activity of the secretary. Mr. P. A. Brady, M.P.S.I., treasurer, reported that the amount expended during the year was £21 19s., and the amount received from head office was £22 16s., which left a balance carried forward of 17s. Mr. J. J. Roche, M.P.S.I., proposed the adoption of the secretary's and treasurer's reports. Mr. G. A. McLean Lee, M.P.S.I., the auditor, seconding the motion, said the accounts were in perfect order. Their secretary deserved a special vote of thanks for the manner in which he worked during the year for the Branch. Mr. Lyall Smith said, in regard to the Exhibition, they got in sufficient from subscriptions, including subscriptions from Hayes, Conyngham & Robinson, Ltd., and Hamilton Long & Co., to come out clear. The expenses were £24 4s. 8d., and they received £24 14s. 11d. Mr. Roche's motion was unanimously adopted. On the proposition of Mr. T. C. Scott, M.P.S.I., seconded by Mr. G. O'Neill, M.P.S.I., the following outgoing *Committee* were re-elected: Messrs. John Smith, P. A. Brady, A. J. Donnell, G. McLean Lee, E. T. Ryan, A. Thom, E. MacMahon, P. C. Cahill and Lyall Smith.

Mr. Hudson then addressed the meeting, and among the matters to which he referred was the action the Council of P.D.A. was taking regarding an attempt to cut down all discounts on all X-ray goods, and another camera manufacturers' move to cut down discounts on all high-priced cameras. With regard to D. and P. price cutting, the only real cure was loyalty among themselves. Mr. A. J. Donnell (Hayes, Conyngham & Robinson, Ltd.) said in view of the strong position of the Irish Drug Association he suggested that they take over this Dublin Branch of the P.D.A., and work it with a separate committee,

adding the 10s. a year P.D.A. subscription to the I.D.A. subscription. He was sure no chemist doing a photographic business would grudge this small amount. With this idea of amalgamation achieved they should first of all establish an area price for D. and P. and compile a list of finishers to which members could send their work. Already the I.D.A. had compiled a List of Approved Wholesalers and Manufacturers. The same thing could be done for D. and P. They could even go further and have an approved trade mark for finishers, and advertise that mark; then the manufacturers could be approached and asked not to supply printing paper except to approved finishers. Mr. Roche said the scheme suggested by Mr. Donnell was a sound one. This would mean an increase in the I.D.A. subscription to £2 2s., which would be a nice round figure. Mr. T. C. Scott said it would be a strain on the loyalty of the I.D.A. members to raise their subscription by 10s. The proposition put forward by Mr. Donnell was a good one, if it could be worked, but he was pessimistic. Mr. McLean Lee said he was very jealous of the I.D.A.'s well-being in view of the good work it had done. There was no association like it in England or Scotland. He would not like to make any move that would bring about any dissatisfaction in the I.D.A., or detrimental to it in any way. The P.D.A. should send forward a resolution to the I.D.A. to ascertain their views. On the motion of Mr. Donnell, seconded by Mr. Brady, the following resolution was unanimously adopted: "That the Dublin Branch of the P.D.A. are agreeable to affiliation with the I.D.A., and that this annual meeting sends forward a resolution asking the I.D.A. to favourably consider affiliation."

Brevities

Mr. P. F. McGrath, M.P.S.I., Oxmantown Road, Dublin, has opened a branch in O'Connell Street.

Mr. G. W. T. McCann, Ph.C., Portrush, has been appointed captain of Portrush Privileged Players' Golf Club.

Miss Myra R. McGoldrick, M.P.S.I., has opened a pharmacy at Wine Street, Sligo, to be known as "The Purple Key."

During "Irish Week," which began on March 16, many leading Dublin pharmacies had attractive displays of all-Irish goods.

Mr. T. G. Ellis, Belfast, has been appointed representative in Northern Ireland of Stemco, Ltd., London, as from February 24.

Adamson & Co., Ltd., wholesale and manufacturing chemists, Dublin, are removing to 4 Windmill Lane, City Quay, on March 1. 'Phone: 43278.

Harold Lewis, Blackrock, was fined £2, with £3 3s. costs, in the Dublin District Court recently for practising dentistry without being a registered dentist.

Mr. Fred Storey, Ph.C., representing the Ulster Tourist Development Association, was a guest of honour at the recent annual dinner of the Larne Chamber of Trade.

Mr. P. Hanley, M.P.S.I., O'Neill Crowley Quay, Fermoy, has taken over premises at 39 Patrick Street, Fermoy, which will be run under the title "The Rexall Pharmacy."

Mr. P. C. Cahill, M.C.P.S.I., has disposed of his pharmacy at Whitehall, Dublin, to Mr. T. Costello, M.P.S.I., Drumcondra. Mr. Cahill, it is learned, is going into the wholesale trade in Dublin.

At Comber Petty Sessions, recently, David George Charters, Belfast, was fined 21s. with 10s. costs for stealing goods value 3s. 3d. from his employer, Mr. Joseph Shillington, Ph.C., Gilnahirk Road, Belfast.

It was reported at the last meeting of the Derry Infirmary Committee that a cheque for £30 15s. had been received from Miss Annie L. Connolly, secretary of the Derry chemists' dance committee, this being the portion of the balance set apart for the hospital.

A new organisation to be known as the Irish Chemists' Association was formed at a meeting held in Dublin on March 14. Professor Thomas Dillon, D.Sc., was elected *President*; Mr. B. Fagan *Vice-President*; Miss Phyllis Ryan *Treasurer*; and Mr. de Bheal *Secretary*.

Scottish Notes

Brevities

The Scottish Chemists' Golf competition will be held at Glenagles on May 13. Further particulars will be announced.

Mr. Alexander N. Moore, an employee of Boots, Ltd., Oban, was seriously injured in a road smash near Glasgow on March 5.

S. Maw, Son & Sons, Ltd., are holding an exhibition of spring goods in the Royal Hotel, Princes Street, Edinburgh, until March 28.

Dundee School of Pharmacy Former Students' Association held two meetings last week. The first took the form of a "crazy" whist drive and dance, held in Lambs' Rooms, Dundee, on March 11, when the prize-winners were Miss M. Gow, Mr. M. Hogg, Miss J. G. Brydon, Miss L. Abercrombie, Mrs. J. Gibson, Mrs. Learmond, Mr. J. Smith, Mr. D. S. Fraser, Mr. W. Bayne and Dr. D. McCall. Mrs. J. B. Cowper presented the prizes, and Mr. A. R. Lowson and Mr. W. E. Foote were in charge of the ceremonies. The second meeting, held in conjunction with the Dundee, East and Central Scottish Branch of the Pharmaceutical Society, was a lecture, on March 13, by Professor A. D. Peacock, D.Sc., F.R.S.E. (Zoology Department, University College, Dundee) on "Biological Expeditions to the Inner Hebrides," illustrated by cinematograph films and lantern slides.

Edinburgh

Professor I. M. Heilbron (University of Manchester) delivered the Jubilee memorial lecture of the Society of Chemical Industry at a joint meeting with the Glasgow section of the Society in the North British Station Hotel, Edinburgh, recently, on "Chemical Elixirs of Life." He referred to the possibility that chemistry might hold the clue to the control of old age and sex as well as the causation of cancer. He described how the study of the "sterol" group of chemicals, found in plants and animals, was leading science back to conceptions not very far removed from the mediæval alchemists' dream of a life-giving elixir. Closely connected with those compounds, and formed from them in the animal body, was vitamin D.

The suggestion made in a recent editorial in the "Edinburgh Evening Dispatch" that "there seems to be a special providence that watches over doctors' prescriptions, as well as over children and drunken men," called forth a spirited reply

from a correspondent signing himself "M.P.S." The letter states: "... the 'special providence that watches over doctors' prescriptions' is the care exercised by the dispenser. . . . The dispenser should, however, be a qualified pharmacist. The compatibility and dose of each ingredient are checked in every case, and should there be any ambiguity, the doctor is at once communicated with. Meanwhile, some excuse is given to the patient, on many occasions received with impatience. Rarely is credit given to the pharmacist, either by patient or doctor."

In giving "An Outline of the History of Medicine" to members of the Edinburgh Chemists', Assistants' and Apprentices' Association, on March 13, Mr. T. B. Yule dealt with a period dating from Hippocrates to the present time. He referred, in turn, to the position and influence of Galen and Paracelsus; Harvey's discovery of the circulation of the blood; Dr. John Hunter, the anatomist, who linked surgery with medicine; the discovery of percussion in chest diseases by Leopold Auenbrugger; Dr. Jenner's research into the immunising effect against smallpox of cowpox-vaccine inoculation; the invention of the stethoscope by Laennec; the germ theory of Pasteur; Koch's discovery of the tuberculosis and cholera bacilli; Lister's scheme of antiseptic surgery; the first use of nitrous oxide, ether and chloroform for anaesthesia; and recent developments in aseptic surgery, processes of sterilisation, vitamin- and organo-therapy. Mr. Rutherford Hill gave a talk on the Pharmacy and Poisons Act, 1933, and the Poisons List and Rules, and answered questions.

Glasgow and West of Scotland

A complimentary dinner to Mr. Fred Shoesmith (managing director, Fairy Dyes, Ltd.) was given in Glasgow on March 13.

The annual whist drive and dance of the Paisley and District Chemists' Association was held in the Templar Halls, Paisley, on March 10. Among 180 present were Provost and Mrs. Ballantyne (clerk to the Insurance Committee), Mr. A. B. Gilmour (Central Checking Bureau), Messrs. Milne and Rattray (Pharmacy Department, Royal Technical College, Glasgow). Prizes were presented by Mrs. Ballantyne to the following:—*Whist*, Mrs. Congalton, Mrs. Calder, Mrs. Shields, Mrs. Newton, Miss J. Acton, Miss H. Melvin, Messrs. Calder, Gillespie, Somerville, Newton, Storie and Young. *Spot waltz*, Miss Raeside and Mr. Rush. *Mystery Dance*, Mr. and Mrs. H. Young. The M.C.'s at whist were Mr. C. J. Stuart and Mr. Moncur, and at the dance Mr. Moncur.

Topical Reflections

By Xrayser

Perfume,

a fascinating subject, was freshly treated in many of its aspects in last week's *C. & D.* Although many traders other than chemists market perfumes to-day it was not always so; in my own experience I can recall a time when scarcely anyone but pharmacists packed and sold them. I say "packed" advisedly, because many readers will no doubt bear me out when I say that it was a regular job in pharmacies of a bygone day to fill the long-necked lavender water bottles with that popular perfume, often made at dead of night by the proprietor so that the formula should remain a secret. Eau de Cologne was not bottled by us in the same way, but the foreign type was sold, often in cases of six 4-oz. bottles (for which, if I remember rightly, we got about 11s.). Essences of the floral type were packed in 1-oz. panelled flats, capped with leather, shield-shaped labels affixed, and sold for 1s. Proprietary perfumes had not then made their appearance; in fact, it was not till during and after the war this section developed to any great extent. Perfumery is rapidly becoming something of a science. A woman chooses her perfume and toilet requisites as adjuncts which express her personality: chemists who make a study of the subject still have unrivalled opportunities of doing good business in catering for her needs. It is well, however, to leave this section in the hands of the girl assistant; in fact, the toilet section of the modern pharmacy should always be staffed with women rather than men.

"The Decadence of Prescribing"

is a good title for a state of affairs which is not confined to this country alone, but appears to be similar in the United States (p. 315). It is the penalty we have to pay for the rapidly increasing number of proprietaries; the sales of these have increased our returns, but at the same time the older type of prescribing and dispensing is diminishing year by year. This aspect of things is not solely due to increased manufacturing facilities and advertising efforts on the part of proprietary medicine owners, but, to a great extent, to the fact that the medical student in the comparatively short time at his disposal has little opportunity to study such a subject as pharmaceutical preparations and still less to learn how these are to be prescribed. There are numbers of medical men whose acquaintance with pharmacy is confined to a knowledge of stock mixtures which they buy from their wholesaler; half a century or more ago the student was not only taught how to "exhibit" drugs as a part of his curriculum, but his training as an apprentice to a medical man was along similar and more practical lines. I confess that the outlook for better conditions in this respect is not rosy; I can visualise a time when the only dispensing worthy of the name will be that of the N.H.I. The financial aspect of the situation is also serious. A few weeks ago I was studying figures showing the selling prices of mixtures and pills about 130 years ago. The average was as good as if not better than to-day; when the relative values of sterling are taken into account the difference is startling.

Legal Reports

Camphorated Oil.—At the Mansion House Justice Room, London, on March 10, Mr. William G. Harries, chemist and druggist, Cullum Street, E.C.3, was summoned for having sold camphorated oil deficient in camphor to the extent of 12.6 per cent. He pleaded "Guilty." Mr. W. E. J. McDonnell, assistant City solicitor, appeared for the prosecution. Mr. Lacey, who defended, said that Mr. Harries bought this business in December 1934, and the camphorated oil was among the stock he took over. The defendant had, in fact, been formerly employed by the old firm, and knew that they obtained all their stock from a most reliable house. There was practically no sale in the City of London for camphorated oil, with the result that it remained in stock for a very long time. A fine of £2, with £1 costs, was imposed.

Action Settled.—In the Chancery Division of the High Court, London, recently, Mr. Justice Bennett heard an action brought by Harpman's Institute of Endonasal Reflex Therapy, Ltd., Baker Street, W.1, against the Institute of Autonomic Therapy, Ltd., St. James's Square, S.W.1, for an injunction to restrain the defendant company from infringing the plaintiffs' copyright in a booklet on endonasal reflex therapy entitled "A Remarkable Discovery" and from passing off their business as and for the plaintiffs. Mr. Moritz, K.C., and Mr. G. H. Lloyd Jacob appeared for the plaintiffs; Mr. A. Grant, K.C., and Mr. J. N. Gray were for the defendants. The defendants did not admit that their booklet infringed plaintiffs' copyright. After evidence had been given for the plaintiffs and Mr. André Harpman had been called for the defendants, a consultation took place between the parties and a settlement of the action was arrived at. Mr. Moritz said that Mr. André Harpman would be added as a defendant. By consent the defendants would undertake not to pass off any business carried on by them as and for the business of the plaintiffs, and in particular not to issue any booklet, pamphlet, circular or advertising matter calculated to cause confusion between the two businesses. The defendants also undertook to alter the name of the defendant company so as not to include the name Harpman and not to use that name except in so far as it was required by law. His lordship said there would be no order in the action except that defendants would pay plaintiffs' costs.

I.F.S. Criminal Law Amendment Act.—At Waterford District Court, on March 14, Henry Bell, Ltd., chemists, The Quay, were summoned under Section 17 of the Criminal Law Amendment Act for the alleged importation, or attempted importation, of certain contraceptives. Mr. Kevin Haugh, B.L., prosecuting, said that as far as he knew this was the first prosecution of its kind in the Free State. It was alleged that between August 6 and August 19 last the defendants violated the law in that they attempted to import these articles. The commodities were sent to the Revenue Commissioners in Dublin, where they were destroyed. Mr. James Bowes, questioned as to the character of the goods, said they were small tablets labelled "Quinine pessaries." Mr. Budd, for the defence, submitted that, the articles having been destroyed by the servants of the State, the prosecution was no more entitled to give secondary evidence in regard to them than the spoliator of a will. Dr. Vincent J. White stated in evidence that he had never seen or heard his professors in Dublin University advocating or suggesting commodities of the kind in any obstetric or gynaecological condition. Mr. Budd said that the defendant firm was a law-abiding one. It was not suggested that they were ordinary purveyors of contraceptives. The case was of great importance to them and to pharmaceutical chemists in general in the Free State. The defendants were bound to keep in stock every species of drug which might alleviate suffering. Mr. Arthur Pitt, managing director of the company, produced books and read four prescriptions ordered by medical officers in which the commodities mentioned had been prescribed, which could not be referred to as being used as contraceptives. The justice dismissed the case under the Probation of Offenders Act.

Non-Alcoholic Wines.—At Wolverhampton Police Court, on February 13, Melias, Ltd., Love Lane, Liverpool, were summoned for having sold cherry and raspberry wine not of the quality demanded. Mr. W. Elliott Batt pleaded "Not

guilty." Mr. Gore, who prosecuted, said that on January 17 an inspector called at Messrs. Melias's shop in Dudley Street, Wolverhampton, and purchased raspberry and cherry wine. The report on the cherry wine stated that there was no evidence of the presence of any cherry juice, while in the case of the raspberry wine there was not more than a negligible quantity of natural extract of raspberry. The labels on the bottles said "Raspberry wine" and "Cherry wine," and both were labelled "non-alcoholic." Mr. Duncan Chalmers, the Wolverhampton borough analyst, said that in his opinion there should be a minimum of 30 per cent. of cherry juice. He based this opinion on a published analysis and on various recipes. Cross-examined, Mr. Chalmers said that 1.53 per cent. of the cherry wine and 2.6 per cent. of the raspberry wine might have been essence. Mr. Batt quoted a report of a Government committee on the use of preservatives and colouring matters in food, which stated that fruit juices were not generously used in non-alcoholic wines. Witness admitted that he could quote no other official definition of non-alcoholic wine, but he thought the committee had reported on what they had found, and not on what they expected to find. Mr. Batt: Has this kind of wine been sold all over the country for a long time?—Yes, but many vendors distinguish it by marking it "flavoured." Mr. Batt remarked that the witness's suggestion of 30 per cent. of fruit juice in non-alcoholic wine was absolutely fantastic, as this would ferment and make the wine alcoholic. He challenged Mr. Chalmers to produce the published analysis and printed recipes on which he had based his opinion. The magistrate remarked that he would like to see them. Mr. Chalmers produced copies of the analysis and recipes he had referred to, but after inspection the magistrate pointed out that they referred to alcoholic wines. Mr. Gore: I do not know of any genuine cherry wine that is on the market. Mr. John Francis Liverseege, F.I.C., Ph.C., stated that there was no evidence of cherry juice in the sample. It was impossible to build up artificial cherry juice, and in his opinion the public would expect to find a substantial proportion of cherry juice in a mixture labelled "Cherry wine." Mr. Clarence J. Cooper, secretary of the Birmingham and District Mineral Water Association, said that in his view the label used by the defendant firm would deceive the public, and was an unfair description of the contents of the bottle. Answering Mr. Batt, he said that 30 per cent. of cherry juice would keep without fermenting and turning the wine alcoholic if it were pasteurised.

Mr. George F. Snape, manager of the branch concerned, said the wine had been sold for many years without any complaint. Mr. Geoffrey Goddard, a director of Daws Fruit Cordials, Ltd., London, W.6, said they had been producing the mixture since 1931, and the same label was used by a number of firms. The essence used cost 21s. per lb. Mr. Gore: You must make a substantial profit on it?—I can prove that we make a very small profit indeed. Dr. Thomas H. Durrans, chief chemist to A. Boake, Roberts & Co., Ltd., London, E.15, said his company prepared the cherry essence used by the Daws Co. The essence contained 25 per cent. of cherry juice and a substantial proportion of cherry concentrate; 5ij. of the essence in a gallon of liquid was a correct proportion to add to a mixture which could be properly sold as cherry wine. A greater quantity would give too strong a flavour. Mr. Alfred J. Warner, departmental manager to Frederick Boehm, Ltd., London, E.C.3, said the raspberry essence of his company, supplied to the Daws Cordial Co., was made from pure raspberries. Dr. Ernest J. Parry, F.I.C., disagreed with the deductions of Mr. Chalmers. In his opinion it was only a matter of taste, and the only basis on which fruit essence could be used was in an amount that would make the liquid to which it was added palatable. The amount used was small, but it was impossible to use more, as the mixture would be rendered unsaleable by doing so. It was an absolutely impossible proposition to use 30 per cent. of fruit juice, as the fruit would ferment soon after the bottle was opened, even if it had been pasteurised. In reply to Mr. Gore, he said that in his opinion the contents of the bottle were what the public expected, though they had not the remotest idea why they expected it. "Even the most uneducated member of the public knows he is not getting wine," said Dr. Parry. He added, "I don't think they know what they expect—all they know is they want what is in the bottle." The magistrate reserved his decision.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office

"FORGEE," LTD. (P.C.).—Capital £300. Objects: To carry on the business of manufacturing, pharmaceutical and general chemists, etc. R.O.: 52 Shaftesbury Avenue, W.1.

MEDICAL PREPARATIONS, LTD. (P.C.).—Capital £100. Objects: To carry on the business of wholesale or retail chemists, druggists, etc. R.O.: 4-6 Copthall Avenue, E.C.2.

A. V. WHALLEY (CHEMISTS), LTD. (P.C.).—Capital £100. Objects: To acquire the business of a chemist and druggist carried on by R. Middleton at 148 Horn Lane, Acton, W.3.

RENAL LABORATORIES, LTD. (P.C.).—Capital £100. Objects: To carry on the business of chemists, druggists, chemical manufacturers and dealers, etc. R.O.: 82 Bunhill Row, E.C.1.

J. W. BARTON, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of wholesale and retail chemists and druggists, chemical engineers, etc. R.O.: 25 Westow Hill, S.E.19.

LEEDS DRUG CO., LTD. (P.C.).—Capital £300. Objects: To acquire the business of a pharmacy carried on by Elizabeth Cawthorne and Ethel R. Cawthorne at 2A Stonegate Road, Meanwood, Leeds.

MARYLAND CONFECTIONS, LTD. (P.C.).—Capital £300. Objects: To carry on the business of manufacturers of and dealers in medicated sweetmeats, pastilles, etc. R.O.: 42 Cross Street, Stratford, E.

BROADGATE CO., LTD. (P.C.).—Capital £200. Objects: To devise, improve and protect products of a pharmaceutical and medicinal nature in the form of lozenges, wafers and tablets having prophylactic, palliative or restorative properties in various inflamed and ulcerated conditions of the mouth and fauces, etc. R.O.: 90 Gresham House, 24 Old Broad Street, E.C.2.

HENRY JOHN LEE, LTD. (P.C.).—Capital £100. Objects: To carry on the business of dealers in tropical and all kinds of produce and commodities in Canada, U.S.A., and the principal European countries excluding Britain, France, Belgium and Holland; to produce and sell medicinal and other herbs and seeds, etc. The first directors are to be appointed. R.O.: Longman House, Watling Street, Southwick, Sussex.

MAX FACTOR & Co., INC. (Incorporated in U.S.A.).—Capital stock is 11,000 shares without nominal or par value (1,000 "A" and 10,000 "B"). Objects: To manufacture and deal in face creams, skin bleaches, theatrical creams, drugs, medicines, cosmetics, etc. The principal office is at Dover, Co. Kent, in the State of Delaware. The British address is at 17 Gorst Road, Park Royal, N.W.10. Leonard J. Matcham of 8 West Drive, Ewell Road, Burgh Heath, Tadworth, Surrey, is authorised to accept service of process and notices on behalf of the company.

F. W. HAMPSHIRE & Co., LTD.—Profit for year ended December 31, 1935, £62,306, compared with £56,342 in 1934. Dividend on ordinary shares, 20 per cent. (same as 1934) plus a bonus distribution of 10 per cent., £30,000 to reserve, making total £90,000.

JOHN KNIGHT, LTD.—Profit for 1935 £246,455 (against £255,224); add £138,107 brought in, making £384,562; dividend on 25 per cent. preferred ordinary shares £125,000; ordinary dividend 40 per cent. (same) £120,000; forward, £139,562. Meeting, Abercorn Rooms, Great Eastern Hotel, E.C., March 27, at noon.

SPRATTS PATENT, LTD.—The accounts for 1935 show a net profit of £92,100, against £98,501 for 1934. A final dividend of 7½ per cent. is proposed on the ordinary shares, making 12½ per cent. for the year (unchanged), together with a bonus of 2½ per cent. (unchanged), and also a special bonus of 2½ per cent. to commemorate the jubilee of the company. Allocations are again to be made of £5,000 to reserve account and £5,000 to the pension fund, and the balance forward will then show a reduction from £32,463 to £24,313.

PINCHIN, JOHNSON & Co, LTD.—Net profits for 1935 are returned at £358,130, representing an increase of £41,047 over the previous year. This result has been arrived at without taking credit for the company's share of the 1935 profits of one of the oversea associates, whose accounts have been exceptionally delayed, but whose profits have been fully maintained in the past year and have previously been included in the current year's results. Out of the net profit £56,000 (against £52,000) is provided for income-tax, and after meeting the preference and interim ordinary share dividends it is proposed to pay a final dividend on the ordinary shares of 12½ per cent., making 20 per cent. for the year (against 17½ per cent.). The balance forward is then raised from £68,143 to £79,837. Meeting, March 26.

WOODLANDS CHEMISTS, LTD.—The directors report and accounts for the period December 13, 1934, to December 31, 1935, states: The company took over the shops about the middle of January, 1935, so that the figures are approximately for one year's trading. The directors regret that the accounts show a trading loss of £3,546 10s. 1d. The difficulties of management on taking over shops from well-established vendors were not fully contemplated, and it must be admitted that the past year's trading has suffered in many instances through the break in the personal link between the vendors and their respective customers. During the year the directors decided to dispose of two shops which were unprofitable, and although the course proposed is drastic, the directors after careful consideration have decided to dispose of certain other shops where business is being carried on at a loss. During the year Mr. John Keall found it difficult to continue as sole managing director, and consequently Mr. A. P. Moray, who was one of the original directors, was appointed a full-time managing director of the company with Mr. Keall. In November of last year the board elected Mr. H. R. Ferdinando a director, and subsequently Mr. Ferdinando, on Mr. Wells' resignation from the board, was elected chairman. The directors have effected drastic economies. The business is now showing distinct signs of improvement, and with the experience gained during the past year, both in the running of the shops and the buying of commodities, they consider that the prospects for the future are promising. In June, 1935, a small subsidiary company was formed to acquire an old-established business, and this is running satisfactorily. Dr. H. J. Neilson retires by rotation, and Mr. H. R. Ferdinando, having been elected by the board, retires in accordance with Article 101, but both being eligible, offer themselves for re-election. The accounts show goodwill of businesses of acquired at £27,902; leases of shops, £13,455; floating assets, including stocks, at £30,640; preliminary expenses, including £4,000 underwriting commission, £14,284. In the profit and loss account directors' and staff salaries are given at £3,200; rent, travelling and general expenses at head office, £1,928, and amortisation of leases, £1,138.

Private Arrangement

John Shaw Griffin, 31 High Street, Halesowen, near Birmingham, pharmacist. The creditors interested herein were called together recently at Birmingham, when a statement of affairs was submitted which showed ranking liabilities of £1,937 14s. 5d., made up as follows: Trade creditors £635 14s. 5d.; cash claims £1,083; and bankers £219. There were also fully secured creditors for £225. After allowing £48 7s. 11d. for preferential claims the net assets were £302 16s. 6d., or a deficiency of £1,634 17s. 11d. It was stated that the debtor commenced trading at the above address in December, 1932. In November, 1933, the debtor purchased a shop at Howley Grange, Quinton, for £950, paying £200 on account. That business was eventually sold in December 1934, and the debtor estimated that he made a profit of £40 upon the transaction. The debtor had also traded at Kidderminster, but that business was sold in 1934. A resolution was passed confirming the deed of assignment already executed, and it was stated that the cash creditors for £1,083 would withdraw their claims. A committee was also appointed.

Pharmaceutical Society of Ireland Council Meeting

THE March meeting of the Council was held on March 10 at 67 Lower Mount Street, Dublin, the vice-president (Mr. J. A. O'Rourke) in the chair. Other members of the Council present were Messrs. F. J. Fitzpatrick, D. W. P. Boyd, P. Brooke Kelly, P. J. Fielding, J. Duggan, K. Whelehan, B. P. Hickey, M. J. Parkes, C. Cremen, P. C. Cahill, and Miss F. M. Flood. Apologies for absence were received from the president (Mr. J. F. Costello), Messrs. M. J. Kieran, T. J. Smith, D. Warwick, and J. T. Dwyer.

CORRESPONDENCE

A letter was received from Mr. de Valera's secretary conveying the President's heartfelt thanks to the Council for their expression of sympathy with him and his family in their recent bereavement.

The secretary to the Minister for Justice wrote: "I am directed by the Minister for Justice to refer to your letter of October 15 last submitting for approval alterations made in your Society's Regulations, and to inform you that the Minister has made an Order dated November 15, 1935, approving of the Regulations, and a copy of the Order is enclosed for your information." A further communication read from the Ministry was as follows: "With reference to your letter of the 14th inst. I am directed by the Minister for Justice to state that by an Order dated the 18th inst. he has approved of the appointment of Professor Bayley Butler as examiner in Botany and Materia Medica for the Pharmaceutical Licence examination. A copy of the Order is enclosed."

Mr. John J. Gaynor, law adviser, reported that in the recent prosecutions against *Cosmetique et Pharmacie, Ltd.*, in Dublin, the defendants pleaded "Guilty," and the district justice convicted, imposing fines and costs amounting to £10.

MR. CAHILL said he would like to make some comment on the reports of this case which appeared in the daily Press. In the Press reports the marks obtained by this particular defendant in his Assistant's examination were reported in the court proceedings. This fact had been commented upon adversely by several of their members to whom he had been speaking.

THE VICE-PRESIDENT: I think there should be some explanation given. I heard comment that it should not have been necessary to introduce this question of the marks unless there was a very good reason for it.

THE REGISTRAR (Mr. J. J. Kerr) said when *Cosmetique et Pharmacie, Ltd.*, were summoned, their solicitor, Mr. Kieran, wrote the following letter to Mr. Gaynor: "My clients have instructed me to plead 'Guilty' to the offences in all the summonses against them. . . . The simple ointment was dispensed by the secretary of the company, who recently completed his five years' apprenticeship, and though not a qualified chemist has a competent knowledge of the business. My clients regret the occurrence complained of, and undertake to see that your clients will not in future have any cause to complain of their business." In view of this letter, the registrar said, it was up to the Society to produce rebutting evidence as to this man's competency. The evidence was given in public, and in this way got into the Press.

MR. CAHILL said he was thoroughly satisfied with the registrar's explanation. It was unfortunate that the necessity for publishing these marks arose.

The Law Adviser also reported on the prosecutions against the Kilmainham Pharmacy, Ltd.

REGISTRATION ITEMS

Mr. Francis M. Smyth, 15 Anglesea Road, Ipswich, wrote stating that he had passed his Pharmaceutical Licence examination in January 1927, and duly received the certificate. While travelling abroad in 1933, he lost the certificate. He inquired if it was possible to get some form from the Society showing that he was a registered licentiate.

THE REGISTRAR stated he had carefully investigated the matter, and verified Mr. Smyth's statements.

The Council authorised the issue of a letter certifying Mr. Smyth as a licentiate of the Society.

Mrs. Lysaght (*née* Dillon) wrote submitting marriage certi-

cate and desiring change of name in the Register. The application was granted.

The following, who submitted Matriculation certificates, were granted Preliminary registration: Miss M. G. Donohoe, Messrs. P. A. Flavin, T. J. McLoughlin, and P. T. McDonagh.

Dr. Patrick O'Beirn, Seapark, Galway, submitted a L.A.H. certificate and requested registration as a pharmaceutical chemist. The application was granted.

The following changes of address were notified:—Dr. D. McLaughlin, M.P.S.I., from 17 Saville Place to 51 Lambeth Walk, Kennington, London, S.E.11. Mr. G. A. O'Donnell, M.P.S.I., from 107 Connaught Street to Iona, 40 Cabra Drive, Dublin. Mr. D. F. O'Sullivan, M.P.S.I., from 89 Emmet Road to 4 Merrion Road, Ballsbridge, Dublin. Mr. J. D. Whelan, M.P.S.I., from Ard Patrick to 8 Dominick Street, Galway. Mr. W. F. Herlihy, Ph.C., from 5 Belton Park, Donnycarney, to "Seaville," Balcaddan Road, Howth. Mr. H. C. Meyrick, Ph.C., from 38 Kirkdale Road, Walton, Liverpool, to 75 Claverton Street, Victoria. Mr. Morris Price, Ph.C., from 74 Brooksby's Walk, Homerton, to 204 Upper Clapton Road, London, E.5. Mr. E. D. Aplin, R.D., from Ringsend Drug Hall to Fintra, Gilford Road, Sandymount, Dublin.

REPORTS FROM COMMITTEES

The reports of the House, Law, and Benevolent Fund Committees were submitted and approved.

DEATHS REPORTED

The registrar reported on the deaths of Mr. J. Finlay, L.P.S.I., and Mr. J. S. Smith, L.P.S.I.

ELECTIONS AND NOMINATIONS

Mrs. P. Hanley, White's Medical Hall, O'Neill Crowley Quay, co. Cork, was elected a member of the Society.

The following were nominated for membership: Dr. D. J. Brolly, 1 Sandford Road, Ranelagh, Dublin; Mr. N. A. P. M'Kane, O'Rahilly Street, Ballina; Dr. D. McLaughlin, 51 Lambeth Walk, Kennington, London, S.E.11.

Tung Oil Specification

ANOTHER British standard specification (No. 391, 1936) has just appeared—for Tung Oil, Type F. This document contains notes which take away much of the value it might otherwise have had. These notes are as follows:—

NOTE 1.—This specification applies to tung oil, usually of Chinese origin, which oil is derived substantially from the seed of the species *Aleurites Fordii*. (The production of tung oil from seeds of the related species *Aleurites montana* is being extensively developed and a British standard specification will be prepared in due course.)

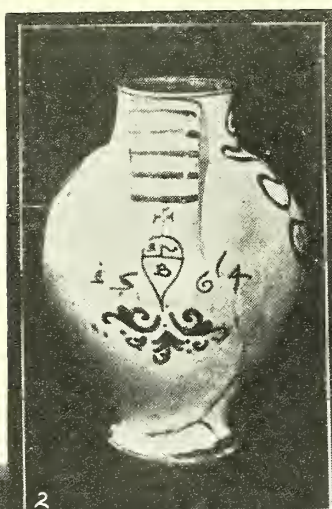
NOTE 2.—This specification is not intended to cover tung oils which are wholly or partly solidified as the result of isomerisation as apart from polymerisation.

The following figures are given:—

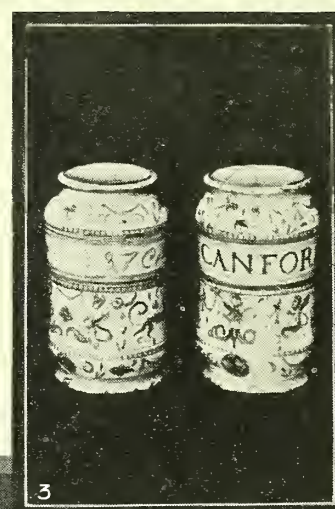
Specific gravity at 15.5°	= 0.939 to 0.943
Refractive index at 20°	= 1.517 to 1.522
Iodine value (Wijs) ...	= 155 to 175
Saponification value	= 189 to 195
Acidity, as oleic acid	= not exceeding 2.5%
Unsaponifiable matter	= not more than 1%

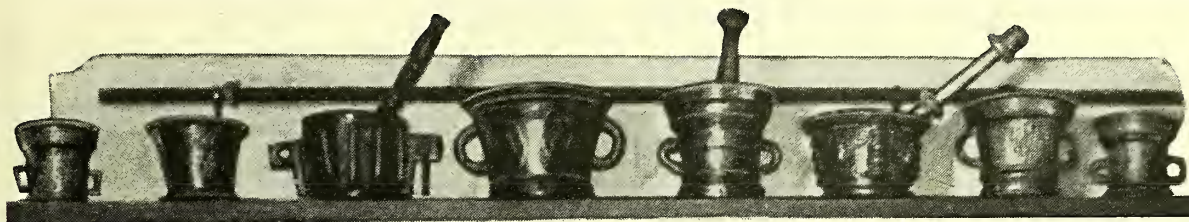
A heat test and insoluble bromide test are also included. In Appendix G a method for the determination of polymerisable matter is set out, but does not appear to be one of the "standards." In a covering note it is stated that "the following method is a subordinate test, and is included for the purpose of gaining wider experience in its application in general practice. In the light of such experience the Committee hopes to be in a position to adopt it as a mandatory test when the specification is next revised."

PROSECUTIONS FOR BRIBERY.—The latest annual report of the Bribery and Secret Commissions Prevention League, covering the year 1935, states that during the year there were thirty-one convictions in the United Kingdom under the Prevention of Corruption Acts, compared with twenty-three in 1934. The average number for the previous ten years is 27.6.



From the
John Hall
Tercentenary
Collection at
Stratford-on-Avon





John Hall of Stratford-on-Avon

THE tercentenary of the death of Dr. John Hall, of Stratford-on-Avon, a son-in-law of Shakespeare, has been commemorated in two appropriate ways—first by a memorial address by Mr. Frederick C. Wellstood, F.S.A., secretary and librarian to Shakespeare's Birthplace Trust, recorded in a recent issue of "The Lancet" and used in the compilation of the following notes; secondly by a loan exhibition of pharmacy jars and surgical instruments in use in Hall's time. The specimens shown in our illustration on p. 340 were lent by Dr. D. S. Murray of Stratford (the "Spice Nardi" and "Vng. Pectorale" jars in the top row, and twenty-one others in the collection), Mr. Oliver Baker of Stratford (middle pair, right) and Mr. J. Whitmore Peck, Ph.C., of Leamington (top, middle left, and below). Unfortunately no portrait of the subject of the tercentenary is known to exist.

John Hall, the son of William Hall, also a doctor, was born in 1576, and graduated at one of the English Universities, though not in medicine, his degree being probably French. In 1607 he married Shakespeare's elder daughter, who was then twenty-four years of age. Settling at Stratford, he soon acquired an extensive and fashionable practice. On the death of Shakespeare in 1616 he took possession of New Place, a house pulled down by an almost incredible act of vandalism in the eighteenth century. The Stratford Corporation elected him a Burgess in the following year; he pleaded professional duties, however, and was excused. As his posthumous book, published in 1657, shows, he rode to places as far distant as Northampton, Worcester and Ludlow, "with his surgeon's box behind him." In the course of time he became active as a churchwarden, presenting parishioners for "sleeping in the belfry with a hat on upon the Sabbath," "having no employment but laziness," "calling a woman witch" and other misdemeanours. Against his will he was elected a Burgess in 1632, although he had joined the vicar in suits against the corporation. His membership, however, lasted only sixteen months: there was further friction with the town officials, and eventually, by nineteen votes to three, he was expelled from the Council. A little later there was trouble over the possession of a pew in the Parish Church: the Vicar-General of the diocese was called in to hold an inquiry, and the Vicar of Stratford, a great friend of Hall, was suspended for three months. The doctor died shortly afterwards, on November 25, 1635.

Hall's case-books and other papers were bequeathed to his son-in-law, Thomas Nash. A Dr. James Cook purchased some of these, apparently from Hall's widow, and published a translation of 100 selected cases in 1657 with the title, "Select Observations on English Bodies: or, Cures both Empericall and Historicall, performed upon very eminent Persons in desperate Diseases." In 1679 appeared a second edition, "To which is now added, an hundred like Counsels and Advices, for several Honourable Persons: By the same Author." And "In the Close is added, Directions for drinking of the Bath-Water, and Ars Cosmetica, or Beautifying Art: By H. Stubbs, Physician at Warwick." In the address to the "friendly" reader in his first edition (there is a separate address to the "judicious" reader), Cook suggests that Hall was in one respect a pioneer: "It seems the Author had the happinesse (if I may so stile it) to lead the way to the practice almost generally used by the most knowing, of mixing Scorbuticks in most remedies. . . ."

Hall's MS., written in Latin, with subsequent additions by Cook, is in the British Museum. It forms a compact volume measuring 6½ in. by 3¼ in. The first page begins:—

Sanitas a Domino
Curationum Historicarum et
Empiricarum, in certis
Locis et notis personis
expertarum et proba-
tarum Libellus

after which the record of the first case begins without preamble. We have selected for illustration a part of the page showing the beginning of the case of Hall's daughter Elizabeth: the details

*Elizabetha Hall filia mea unica
tortura onis discedata mide
sig^a cap. de Tortura onis
lib. 7. calisci de Taranta
fil. 29. sic se habet successu
Cura*

*Rp pil. coh. aur. ana 3j f. pil. 10
Capit. su. primo die 7. 1/2. 2. 5. 1/2
Fomentur loci aq. mltu et Ther.
Andm. Nucba rse 2. m. 1/2. 1/2.
Rp vng. mactrali mag. 1/2. of
Lacum. p. 1/2. 1/2. 1/2. 1/2. 1/2. 1/2.
Culi. ana 3j. de Lactib. 3j. 1/2.*

extend to three pages. We may quote Cook's translation of Observation No. 11:—

Mrs. Hanberry was cured of her face that was full of pustles, itch and excoriations and deformed as a Leper, with the following medicines. I purged her body, with amber pills 5i. given when she went to bed, at twice; using to the face aq. Mercurial. Penot. with the Emulsion of white poppy seeds, Borax and white Sugar-Candy.

The second edition of the book possesses an additional interest for pharmacists in the list of medicines and proprietary articles given as a publisher's advertisement at the end: these were sold "under the Dial of St. Dunstan's Church in Fleet-street."

Dr. Blagrove's Golden Purging
Spirit of Scurvy-grass.
And his true Spirit of Scurvy-
grass

His Spirit of Pepper
Rhodocanaces Spirit of Salt.
Spirit of Wormwood.
Buckworth's famous Lozenges.

The majority of these wares are known to our readers.

Dr. Lockier's Pills.
Dr. Sennon's Pills.
Matthew's Pills.
Holney's Pills.
Brook's Elixir Salutis.
Turner's Dentifrices for cleans-
ing of the Teeth.
Digby's Sympathetical Powder.

Trade Notes

GARDENIA AND ENGLISH FERN.—H. Bronnley & Co., Ltd., Acton Vale, London, W.3, announce that a special advertising campaign is in progress for Gardenia and English Fern.



Attractive show material is available. Gardenia, which is described as Bronnley's latest perfume success, is available in four sizes, and a perfumed soap is also obtainable.

SHAMPOOS AND LIQUID SOAPS.—The East Lancs Chemical Co., Ltd., Fairfield,

Manchester, invite inquiries for sulphonated olive and castor oils which are specially prepared for all kinds of shampoos and liquid soaps. They also supply soap bases, caustic potash and carbonate of potash.

BONUS OFFER.—Scott & Turner, Ltd., Andrew's House, New-castle-on-Tyne, 2, offer a special bonus for a display of Andrew's Liver Salt. This offer remains open till April 30, and full details are obtainable on application.

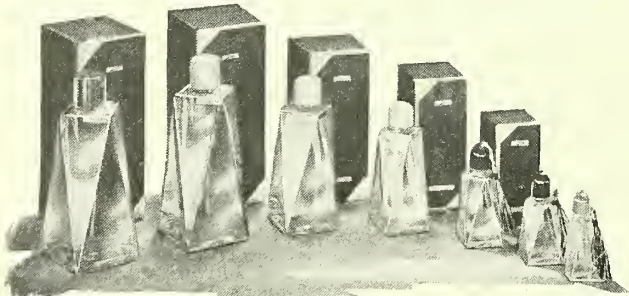
SUPER RAZOR BLADES.—Ryders, Ltd., Dukes Road, Western Avenue, Acton, W.3, are advertising hand-made super razor blades which are obtainable either through the usual wholesale houses or direct. Samples with name and address of nearest wholesaler are sent on request.

NEW HARLENE SHOWCARDS.—Edwards Harlene, Ltd., 20-26 Lamb's Conduit Street, London, W.C.1, announce the introduction of new Harlene showcards to promote the sales of Harlene hair grower and tonic and Harlene hair cream. Full details were given in last week's *C. & D.*

IODINE PENCILS.—The Bartlett Distributing Co., Ltd., Diamond House, 37 Hatton Garden, London, E.C.1, announce the introduction of their Aplydine pencil which is described as a liquid iodine plaster. It is stated to stop bleeding and forms new skin. Supplies are obtainable from the usual wholesalers.

POISONS REGISTER.—James Townsend & Sons, chemists' printers, Exeter, have sent us a copy of their new Poisons Register (5 in. by 4 in.; 4s. 6d.). The first twelve pages are devoted to notes on the Pharmacy and Poisons Act and the Poisons Rules, thereafter one page is reserved for each entry of a sale, thus ensuring secrecy. When using the left-hand page of course the right is blank, and when using the right-hand page the entries on the left can be covered with a correspondence card held in place with a rubber band, which can be kept in the book.

HAX PERFUMES.—Edward Hack, Ltd., 73-78 High Holborn, London, W.C.1, have recently added to their number of packed



perfumes, the range including bottles of 1-oz. up to 16-oz. Twelve perfumes are available and supplies may be obtained through the usual wholesalers.

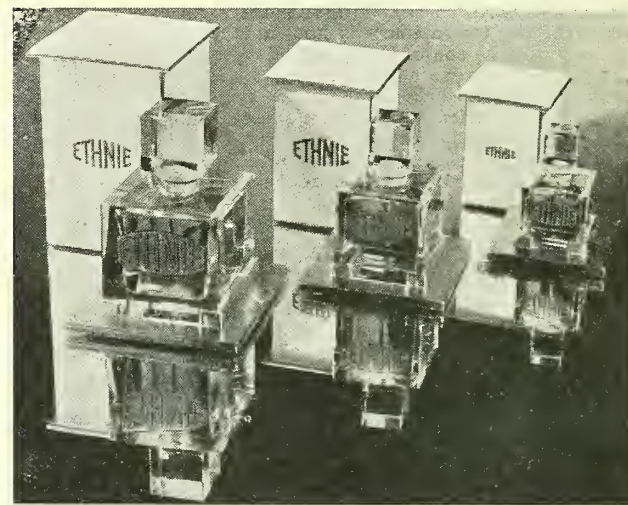
MILK OF MAGNESIA.—Proprietary Agencies, Ltd., 179/181 Acton Vale, London, W.3, inform us that they are marketing a new family size (150 tablets) of Milk of Magnesia tablets.

T.C.P.—All T.C.P. preparations (Trichlorophenylmethyl-iodosalicyl in H₂O) are now on the Chemists' Friends list. These comprise T.C.P. solution, tooth paste, hair tonic, etc. An advertising campaign is in progress. Show material is available and details of terms are mentioned elsewhere in this issue.

BONUS OFFER.—Petrolagar Laboratories, Ltd., Braydon Road, London, N.16, are offering thirteen to the dozen bottles of Petrolagar Brand paraffin emulsion during March. An extensive advertising campaign is in progress to promote sales of this product. Full details were given in the *C. & D.*, February 29, p. xii, and further particulars may be obtained on application.

VITAMINS.—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, have recently issued a booklet in regard to vitamins—their chemical constitution, standardisation and clinical application. It also contains notes on the clinical use of B.D.H. vitamin preparations in which vitamins are available. Copies of the brochure are obtainable on application.

ETHNIE PERFUME.—Illustrated herewith is a stand of Ethnie perfume which is prepared by Rozalex, Ltd., the sole concessionaire being Mr. Charles E. Naylor, Yorkshire House, Cross



Street, Manchester. Three sizes are available. The perfume, which is handsomely packed, suggests an eastern type and is highly concentrated.

TRUSSES.—Hernicura trusses and all surgical appliances are offered to the wholesale trade by Jefferson & Sons, 2 Eton Road, Woolwich, London, S.E.18.

HALIVEROL.—Parke, Davis & Co., Beak Street, Regent Street, London, W.1, inform us that a new large size of Haliverol has been introduced for use by hospitals and others, the size being 50 c.c. A dropper is provided in order to facilitate administration. This preparation is also issued in capsule form in boxes of 100, each capsule containing 3 minims of haliverol.

YARDLEY SIGN.—A new illuminated sign has been erected for Yardley & Co., Ltd., 33 Old Bond Street, W.1, at Paddington Station, London, W. The sign is 20 feet long by 10 feet high and is described as one of the most up-to-date transparencies in existence. It is an adaptation of the new Yardley poster which was entirely hand-painted. The sign is illuminated by electric light, the total light being approximately 6,000 candle-power. This sign should be an effective business-bringer for Yardley lavender.

Births

Notices for insertion in this column must be properly authenticated

DAY.—On March 5, Nora, the wife of D. Day, Worcester Park, London, S.W., and daughter of the late Mr. G. F. Barratt, M.P.S., of a son.

RAINY BROWN.—At Hemel Hempstead, on March 1, Mary, the wife of David Rainy Brown (J. F. Macfarlan & Co., Edinburgh and London), of a son.

Marriages

EVANS—THOMAS.—At Bethania Church, Upper Tumble, Llanelly, on February 15, H. Lloyd Evans, chemist and druggist, to Vera E. E. Thomas.

SHIPP—EVANS.—At St. Bartholomew's Church, Southsea, on February 22, John Shipp, chemist and druggist, to Hilda Evans.

Deaths

BARNES.—On March 7, Mr. Harry Barnes (Barnes' Cash Drug Stores, Ltd., chemists, High Street, Hadleigh, Essex), aged seventy-eight.

BLACOW.—On February 2, Mr. Norman Blacow, chemist and druggist, Fulwood, Preston, aged forty-five.

BROWN.—Recently, Mr. Harold Brown, O.B.E., Ph.C., principal of the Plant and Animal Products Department of the Imperial Institute. "The Times" of March 14 published a tribute from Sir Wyndham Dunstan, who wrote:—

"I had from the first formed a high opinion of Mr. Brown's character and abilities. He was one of my students at the Pharmaceutical Society and gained distinction, especially in chemistry. Afterwards he was selected as one of the chief assistants in the research laboratory established by several important investigations. In 1896 I was appointed to organise the Scientific and Technical Department of the Imperial Institute, and Mr. Brown was one of those I selected from my staff to accompany me. . . . He soon showed a marked capacity and partiality for executive work on the results of laboratory investigations, and it was to this branch of the department that he brought with conspicuous success a logical mind and a habit of clear expression. In addition to routine duties, he visited Egypt and the Sudan to report on the possibilities of rubber cultivation, and he wrote a book on rubber in the series of Imperial Institute Handbooks to the Commercial Resources of the Tropics. . . ."

CROSS.—At 70 Mardol, Shrewsbury, on March 10, Alderman William Gowen Cross, J.P., Ph.C., aged eighty-seven. Alderman Cross succeeded his father in business, and by a coincidence held office for two periods as Mayor of the town, as his father had done. He was vice-president of the Pharmaceutical Society in 1892-95, after serving on the Council from 1886; in the election of 1912 he was unseated, but in the following year he was again returned, and finally retired in 1916. Mr. Cross was the last president of the Chemists' and Druggists' Trade Association, which was wound up in 1887. He was prominent in the public life of his native town, doing useful work in many spheres. Of late years his son, Mr. W. Gowen Cross, Ph.C., has been associated with him in business. Mr. F. E. Hunt, Wellington, represented the Shropshire Branch of the Pharmaceutical Society at the funeral.

HUTCHINGS.—At 60 Nunhead Lane, London, S.E.15, on March 7, Mr. Thomas Hutchings, chemist and druggist (T. & E. Hutchings, Ltd.), aged sixty-one.

JOHNSTONE.—At his residence, Balvaig, Maxwelltown, Dumfries, on March 9, Mr. Thomas Francis Johnstone, chemist and druggist (Low & Johnstone, 3 Church Place), aged eighty. Mr. Johnstone was apprenticed at Dumfries to Mr. Maxwell Low, upon whose death he took over the business.

SPENCE.—At Drumcondra, on March 12, Mr. Alexander Spence, a director of Shirley, Spence & Belford, Ltd., wholesale druggists, 55 Mary Street, Dublin, aged seventy-one.

Personalities

DR. G. ROCHE LYNCH, O.B.E., has been elected president of the Society of Public Analysts.

MR. H. F. HAYLLAR, chemist and druggist, has been elected vice-chairman of the Hoddesdon Traders' Association and Chamber of Commerce.

MR. GILBERT BROWN, chemist and druggist, managing director of Waller & Riley, Ltd., chemists, Bolton, has been elected president of Bolton Chamber of Trade.

MR. and MRS. H. W. GRAESSER-THOMAS, London, E.C.3, are sailing for America by the "Aquitania" on March 19. Mr. Graesser-Thomas is on a business tour and expects to be away about three weeks.

MR. R. HOWSON SUTTON (governing director, J. Rymer Young, Ltd., chemists, Warrington), has been appointed president of the Warrington Literary and Philosophical Society. For more than twenty-five years Mr. Sutton has been honorary lanternist of the Society.

In an interview published in the "Evening Standard" on March 9, Mr. G. A. Mallinson, secretary of the National Pharmaceutical Union, gave a clear explanation of the legal position of chemists holding wine licences, apropos of a recent case heard by the Becontree licensing justices.

MR. J. WICLIFFE PECK, Ph.C., is retiring, as from March 31, from the post of chief pharmacist to the Hospital for Sick Children, Great Ormond Street, London, W.C.1. Mr. Peck will be remembered by our readers as a contributor of informative articles from time to time, and many good wishes will accompany him in his retirement.

Business Changes

WELTEN, LTD., have removed to 6/7 Chapel Street, Milton Street, London, E.C.2.

MR. HENRY T. PAGE, Ph.C., has taken over the pharmacy carried on for some time at Queen's Parade, Bangor, co. Down, by Mr. T. Unsworth, Ph.C.

Coming Events

This section is reserved for advanced notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, March 23

Paisley and District Chemists' Association, Y.M.C.A., Paisley, at 8 p.m. Mr. J. B. Buyers on "Window Dressing."

Tuesday, March 24

Thames Valley District Pharmacists' Association, Radnor Restaurant, Fife Road, Kingston-on-Thames, at 8.45 p.m. Discussion on the Chemists' Friends scheme.

Thursday, March 26

Pharmaceutical Society, Warwickshire Branch, King's Head Hotel, Hertford Street, Coventry, at 7.30 p.m. Annual dinner. Tickets, 7s. 6d. each.

Manchester Pharmaceutical Association, Junior Branch, Victoria Hotel, Manchester, at 8.30 p.m. Annual meeting.

National Association of Women Pharmacists, 17 Bloomsbury Square, London, W.C.1, at 8 p.m. Members' night. Miss Gilliatt on "Experiences of a Metropolitan borough Mayor." Miss Smelt on "Old Books in the Pharmaceutical Library."

North London Pharmaceutical Association, Connaught Rooms, Great Queen Street, London, W.C.2. Annual dinner. Tickets, 12s. 6d. each.

Association of Pharmaceutical Employees, National Trade Union Club, 24 New Oxford Street, London, W.C.1, at 7 p.m. for 7.30 p.m. Dinner. Tickets, 5s. 6d. each from Secretary, 301 Wandsworth Bridge Road, London, S.W.6.

Pharmaceutical Society, Thanet Branch, White Hart Hotel, Margate, at 7.30 for 8 p.m. Annual dinner. Tickets, 5s. each from Secretary, 64 Ramsgate Road, Margate.

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PRACTICAL METHODS OF URINE ANALYSIS

The object of this book is to give chemists exactly the information they want on the subject. The book was written by a pharmacist who was an expert in this work, and has been revised by a medical practitioner and lecturer of long experience in clinical analysis. (Fourth Edition.) Contains 97 pages.

Price 4s. 3d.

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All users of the C. & D. Retail Dispensing Price List require a copy of this Formulary. It brings together the formulas for unofficial preparations, the prices of which are quoted in the Price List. It is a choice collection of good formulas for articles in everyday request by the public.

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28 Essex Street, LONDON, W.C.2

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Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

M/173. Anabesine sulphate made by the Amtorg Corp. (London agents)	B/193. No. 155 alcoholic treatment
E/173. Buchan's pills	M/163. Picochrome
E/173. Firmafix	E/173. Phillips' emulsion
	B/173. Tik corn plasters

THE CHEMIST AND DRUGGIST

VOL. CXXIV.

March 21, 1936

NO. 2928

Mirabile Dictu !

ELSEWHERE in this issue a report is given of an address by Mr. A. A. Dick at the Birkenhead and Wirral Pharmacists' Association meeting held last week. Mr. Dick drew attention to the fact that pharmacists have been too docile in the past, and in this direction he pointed out that chemists have accepted not only what was put before them by the Government, but what was also imposed upon them by the Pharmaceutical Council. Every chemist will agree that there has been too much acceptance on the part of Pharmaceutical Society officials and councillors in the past, and not enough protest, and it is indeed refreshing to find that at long last a member of the Council is sufficiently courageous to voice these views in public. Mr. Dick's expression of opinion on deputations in general, and on the deputation to the Home Secretary in particular, is the common-sense attitude, as has frequently been pointed out in these columns; he, quite rightly in our view, stated that unless the deputation was met by the Home Secretary himself, there was no point in seeing a deputy. It should be added, however, that even had the Home Secretary met the deputation, it was hardly likely that this Minister would have departed from his ruling. The point which pharmacists must accept is that the sale of poisons in common use should no longer be restricted. Pharmacists in the past have been sufficiently conscientious to refrain from pushing the sale of poisons in the interests of the public. The time has now arrived when this attitude must be reconsidered, and it is for the Council of the Pharmaceutical Society to direct the trade as to how they are to approach this new situation in regard to the sale of poisons. Mr. Dick expressed his indignation that the changes made by the Home Secretary were allowed to slip through without the apparent opposition of pharmacy. It would seem that the pharmaceutical members of the Poisons Board were being indicted for their apparent lack of vision in the interests of those whom they represented.

Sooner or later, and perhaps sooner than later, it will be necessary for the Government to define what exactly is the value of the pharmacist in the trading community. If he is to have no recognition other than that of a seller of goods, then to what end is the present educational policy of the Society? The standard of education demanded to-day is obviously not inconsiderable; but if, after the expenditure of time and money, the young pharmacist finds that he arrives at the same starting point as other members of the trading community, he may indeed well ask, for what purpose? This is a question which the retiring members of the Council should be asked to answer. Prophecy is always dangerous, yet it is almost certain that the retiring members of the Council will approach the electors *en bloc* and put forward a programme which defines the policy of the Council of the Society as it has been and not as it should be. Now that every chemist must of necessity be a member of the Society, the happy-go-lucky style of election is an anachronism, and it is for pharmacists to consider whether or not they are content to continue with this archaic method

of returning their rulers. The cost of contesting an election is greater than the majority of chemists can afford. In addition, there is the question of how to absent oneself from business in order to assist in conducting pharmaceutical affairs. We shall be told that the method of election is in accordance with the Charter, but since the Charter was granted to the Society in 1843 there have been Acts of Parliament which have driven straight through the Charter and left only the tattered remains to be used, as it were, as a "Stop" signal for further progress. There is much talk concerning a new Act which will be brought before Parliament in the interests of pharmacy; and if, as has been suggested, the Charter is of use only as an official flag, it is time it was surrendered and a new standard raised in favour of those who have spent their energies, time and money in acquiring specialised knowledge.

To revert to Mr. Dick's address, he is reported to have put forward the suggestion that a Bill be formulated in which the position of pharmacy in the country to-day should be properly defined. With due respect to Mr. Dick's views, it is difficult to see how pharmacy can hope to present a Bill in the near future in view of the passing of the Pharmacy and Poisons Act, 1933, which so seriously affects the future business of pharmacy. This Act indicates in no uncertain fashion Government opinions of the value of the pharmacist in the handling of dangerous poisons, and a lead from the Council of the Society should be insisted upon by chemists' associations throughout the country as to how they are to carry out the requirements of the Act in accordance with the best traditions of pharmacy. If the chemists to-day are satisfied with those who have been responsible for the passing of this Act, there is no need to hold such an election annually as is held at present. There is every reason to believe that chemists abstain from voting because it is impossible for councillors with new ideas to come forward owing to expense, and it is noteworthy that one candidate at least is assured of financial help by his association. As a newcomer, more or less, to the Council, Mr. Dick is to be congratulated on his address in that it strikes a new note and confirms the general opinion that it is possible for a pharmacist to become a member of the Council and not to be submerged by age-long associations and archaic views.

February's Trade Recovery

THE figures for the second month of the year given in the Trade and Navigation Accounts show a good recovery from the general decline recorded for January. The improvement is greater than the returns indicate, for, although there was an extra day in February this year, actual days of commerce were two fewer than in January. These two days represent, on average, about £4,000,000 in imports and about £2,300,000 in exports and re-exports. There was another substantial increase in the imports of all classes of merchandise in February, and the total for the two months was £14,000,000 more than for the same period of 1935. Exports of home manufactures during February reached the good figures of over £35,000,000, which, with the lower value recorded in January, has maintained the total for the two months at the same level as that of 1935, namely, £69,500,000. With re-exports at slightly less than £10,000,000, the total shipments outwards keeps up in the region of £79,500,000. Thus our debit trade balance for February was, in round figures, £21,555,000, and for January-February, £52,720,000.

The returns for February show that the imports of "Chemicals, Drugs, Dyes and Colours" continue to increase with the value for February £905,000, and for the

All Classes of Merchandise	Imports	U.K. Goods, Exports	Total Exports, including Re-exports
	£	£	£
February, 1936 ...	62,316,952	35,110,573	40,761,101
" 1935 ...	56,432,355	34,097,501	38,505,842
" 1934 ...	57,364,070	30,060,451	35,270,021
January-February, 1936	132,250,264	69,563,198	79,530,245
" 1935	118,222,706	69,578,310	79,019,649
" 1934	121,873,611	61,669,834	70,952,411

two months, £1,910,000. Imports of CITRIC ACID for the two months reached 6,978 cwt. (£24,987), and TARTARIC ACID 6,563 cwt. (£26,270), in each case more than double the quantities and values landed in the same period of 1935. Arrivals of QUININE and SALTS for January-February totalled 276,061 oz. (£20,959), compared with 138,819 oz. (£11,788) in the first two months of 1935. Over one-third of our imports of these classes of goods came from Germany. In the very limited details given of individual products

Chemicals, Drugs, Dyes and Colours	February			January-February		
	1934	1935	1936	1934	1935	1936
	£'000	£'000	£'000	£'000	£'000	£'000
Imports ...	878	861	905	1,883	1,763	1,910
Exports, U.K. manufacture ...	1,514	1,658	1,662	3,067	3,536	3,387
Re-exports...	36.6	29.6	39.1	62	61.3	65.9

exported, it is recorded that shipments of CITRIC ACID weighed 4,830 cwt. (£20,185), compared with 5,198 cwt. (£18,755) for the first two months of 1936 and 1935, respectively. Shipments of QUININE and SALTS totalled 262,389 oz. (£25,912) in January-February this year, compared with 301,169 oz. (£31,430) for the same period of 1935. About 65 per cent. of our exports of PROPRIETARY MEDICINES were destined to the Empire, the total value for the two months being £229,088, compared with £226,085 in 1935. Of our total shipments of "Chemicals, etc." during January-February, the Empire took £1,914,500, and the remainder, £1,473,000, went to foreign overseas destinations.

Lead Poisoning from Grease Paint

A CASE of chronic lead poisoning following the use of grease paint is recorded in detail in "The British Medical Journal" of March 14. The patient, an actress, had been under medical treatment for ten days, with progressive deterioration in health, before the diagnosis was clearly established by finding lead in the urine in the proportion of 0.71 mgm. per litre. Iron therapy proved of little value, but eventually a blood transfusion was given with satisfactory results. The search for the origin of the lead poisoning continued for several days before it was successful: ultimately a sample of grease paint used by the patient was found on analysis to contain 39.27 per cent. of lead, apparently present chiefly in the form of the monoxide. The authors of the monograph, Drs. E. L. Bartleman and Cuthbert Dukes, point out that small quantities of lead are

ingested with such food as sausages, beans and cherries. The average urinary excretion of lead in the case of people living in London is given as 0.049 mgm. per litre; in the country 0.023 mgm.; and in Australia 0.2 mgm. It follows that the finding of lead in the urine of a patient is of doubtful value in diagnosis unless the amount greatly exceeds such small amounts as those mentioned. In the present instance there could obviously be no hesitation in drawing a conclusion, even without corroborative symptoms. Drs. Bartleman and Dukes had the opportunity of examining eleven other members of the same cast as their patient. The results were negative, but naturally the use of the offending grease paint was considerably lessened when it became known that the illness of the leading lady was attributed to this substance. The paint was of a carmine shade. Other samples of grease paint were purchased and submitted to the same analysts, with the result that one was found to contain 9 per cent. of lead, another 6 per cent., and a third 1 per cent. The authors foresee "other serious cases of lead poisoning and much minor ill health" if the use of such paints continues. We may add that in "Pharmaceutical Formulas," Vol. II, p. 124, it is noted that the demand for harmless pigments "is one of the greatest possible moment."

Four Alkaloids in One

THE announcement during last year that British, Continental and American investigators had succeeded in isolating new alkaloids of therapeutic interest from ergot was received with natural interest, largely on account of the recent research of Chassar Moir and H. W. Dudley. It will be remembered that the alkaloid obtained by Drs. Moir and Dudley was named ergometrine and that it has been marketed in this country. Reports appearing almost simultaneously concerning three other new alkaloids called ergotocin, ergobasine and ergostetrine were of such a nature as to raise the presumption that all four substances were identical; and a little later Sir Henry Dale was able to announce that samples of ergometrine and ergobasine would be exchanged by two sets of investigators with a view to settling the question of identity. Eventually the other two substances were brought within the ambit of this problem. A letter to "Nature" of March 7 states:—

"Our comparisons of the melting points and mixed melting points of the four alkaloids and of certain of their salts, and of their optical activities in different solvents in cases where sufficient material was available, leave us in no doubt that the alkaloid obtained in the four different laboratories was the same substance, and that the four names given to it are synonyms."

The letter is signed by M. S. Kharasch, H. King, A. Stoll and Marvin R. Thompson. There seems to be a clear case for the international adoption of "ergometrine" as the name of the alkaloid.

Medical and Dental Registers

THE Medical Register for the year 1936 has just been issued (21s., Constable & Co., Ltd., 10 and 12 Orange Street, London, W.C.2) by the General Medical Council. The total number of names contained in the Register on December 31, 1935, is 58,363, an increase of 867 on the number at the end of 1934 and of 1,503 on the average of the last five years. Registrations during the year number 1,884; this figure is 220 more than in the previous year, and 252 more than the average for the past five years. The names of 1,057 medical men have disappeared from the Register during 1935 (14 less than the average for the past five years). The usual legal, statistical and other information is included in the volume. The Dentists Register for 1936, also issued by the General Medical Council (12s., Constable & Co., Ltd.), contains 14,505 names (14,439 in the previous year), of which 8,043 (55.45 per cent.) are registered with medical, surgical or dental qualifications. During the past twelve months 276 persons have been registered with qualifications and two under the Dentists Act, 1921. In addition, three Colonial and 56 foreign names have been added. The number of names removed from the Register is 524 (509 in 1934). The Local List at the end of the volume gives under town headings the names of the dentists practising in each place. An inset in this Register contains a list of bodies corporate carrying on the business of dentistry.

Addendum to the British Pharmacopœia

THE British Pharmacopœia Commission has issued the collected reports of its committees on the forthcoming Addendum to the British Pharmacopœia, 1932, following the precedent of the years 1930-31, for discussion: copies may be obtained (price 2s. 6d.) at 44 Hallam Street, London, W.1. A prefatory note explains that nothing in the reports has yet been finally adopted, and that consequently the Pharmacopœia remains unchanged until the Addendum comes into force. We summarise briefly the principal findings of the various committees and subcommittees.

Clinical Committee

The following drugs are recommended for description in the Addendum:—

CHEMICALS AND PHARMACEUTICAL PREPARATIONS.—Acetarsol; Argemoneproteinum; Bismuthi et Sodii Tartras; Bismuthi Oxychloridum; Calcii Chloridum Hydratum; Chiniofonum; Extractum Stramonii Liquidum; Extractum Stramonii Siccum; Ferri Subchloridum Citratum; Histaminæ Phosphas Acidus; Injectio Bismuthi Oxychloridi; Liquor Iodi Aquosus; Oleum Iodisatum; Sodii Thiosulphas; Tinctura Stramonii; Tryparsamidum.

ANTITOXINS AND SERUMS.—Antitoxinum Œdematiens; Antitoxinum Staphylococcicum; Antitoxinum Vibriosepticum; Serum Antipneumococcum I; Serum Antipneumococcum II.

VITAMINS.—Acidum Ascorbicum; Calciferol; Liquor Calciferolis; Pulvis Vitamin B₁.

Pharmacology Committee

This Committee has declined to recommend ETHYLENE GLYCOL as a solvent in the preparation of certain galenicals; and recommends that the requirements for the labelling and storage of EXTRACTUM PITUITARIUM LIQUIDUM and INSULINUM be made to conform to those of the Therapeutic Substances Regulations.

Biological Products Committee

The subcommittee on serological and bacteriological products recommends the addition of the following antitoxins and antiserums (standards and units for which were adopted by international agreement in 1934), with the respective tests:—

ANTITOXINUM ŒDEMATIENS.—Gas-gangrene Antitoxin (œdematiens) is serum, or a preparation from serum, containing the antitoxic globulins, which have the specific power of neutralising the toxin formed by *Clostridium œdematiens*. It renders the toxin formed by *Clostridium œdematiens* harmless to animals.

ANTITOXINUM STAPHYLOCOCCICUM.—Staphylococcus Antitoxin is serum, or a preparation from serum, containing the antitoxic globulins, which have the specific power of neutralising the toxin formed by such strains of Staphylococci. It renders the toxin formed by such strains harmless to animals, and neutralises its lytic action, when tested *in vitro*, on the red blood corpuscles of the rabbit.

ANTITOXINUM VIBRIOSEPTICUM.—Gas-gangrene Antitoxin (vibrio septique) is serum, or a preparation from serum, containing the antitoxic globulins, which have the specific power of neutralising the toxin formed by the *Clostridium*, commonly known as Vibrio Septique. It renders the toxin formed by the *Clostridium*, commonly known as Vibrio Septique, harmless to animals.

SERUM ANTIPNEUMOCOCCICUM I.—Antipneumococcus Serum (Type I) is serum, or a preparation from serum, containing the immune substances which have a specific therapeutic action when injected into persons suffering from certain diseases due to *Diplococcus pneumoniae* (type I). Antipneumococcus Serum (Type I) should not be used later than two years after the date of manufacture.

SERUM ANTIPNEUMOCOCCICUM II.—The description and requirements are the same as for Antipneumococcus Serum (Type I) with the modification that, in the preparation and assay of the serum, suitable strains of *Diplococcus pneumoniae* (type II) are used.

The subcommittee on sterile solutions recommends the follow-

ing changes or additional requirements be made in existing monographs:—

AQUA STERILISATA.—[The monograph has been rewritten in the light of recent research by authors whose names are given in the report.]

CALCII CHLORIDUM.—In view of the introduction of pure hydrated calcium chloride for administration by injection the following note should be inserted:—When Calcium Chloride is prescribed for injection, Hydrated Calcium Chloride shall be dispensed.

The doses by intramuscular injection and by intravenous injection should be deleted.

DEXTROSUM.—The directions for sterilisation of a solution should read as follows:—A solution of Dextrose for injection is sterilised by Tyndallisation, or by filtration, or, if not stronger than 5 per cent. w/v, by heating in an autoclave.

INDICARMINUM.—Directions for sterilisation of a solution should be inserted as follows:—A solution of Indigo Carmine for injection is sterilised by heating in an autoclave, or by Tyndallisation.

INJECTIO BISMUTHI.—Sterilised water should be used and the directions for preparation should be altered to read as follows:—Dissolve the Dextrose and the Cresol in 50 millilitres of Sterilised Water, triturate the Precipitated Bismuth with the solution, and add sufficient Sterilised Water to produce the required volume. Mix thoroughly, transfer to suitable sterilised bottles containing glass beads and sterilise by heating in an autoclave, or by Tyndallisation.

INJECTIO SODII CHLORIDI ET ACACIÆ.—Sterilised Water should be used and the directions for preparation should be altered so as to require that the containers are closed so as to exclude bacteria, before sterilisation.

LIQUOR SODII CHLORIDI PHYSIOLOGICUS.—This monograph has been rewritten for the Addendum as follows [after the formula]:—

Physiological Solution of Sodium Chloride for Injections.—Physiological Solution of Sodium Chloride, if it is intended for injection, is prepared with Sterilised Water.

Physiological Solution of Sodium Chloride for Injections, kept in a container which is closed with cotton-wool or which is closed so as to exclude bacteria by any other method than fusion of the glass, is used within one month after its preparation. If kept in a container which is sealed by fusion of the glass it may be stored for a longer period.

TYNDALLISATION.—Solutions to be sterilised by Tyndallisation should be prepared by aseptic methods and distributed in sterilised containers which are sealed before being heated.

The following requirements for the preparation of sterile solutions or suspensions are recommended for insertion in the new monographs prepared by other sub-committees:—

BISMUTHI ET SODII TARTRAS.—Heating in an autoclave, Tyndallisation.

CALCII CHLORIDUM HYDRATUM.—Heating in an autoclave, Tyndallisation.

HISTAMINÆ PHOSPHAS ACIDUS.—Heating in an autoclave, Tyndallisation, filtration.

INJECTIO BISMUTHI OXYCHLORIDI.—Sterilised Water should be used. The injection should be placed in sterilised containers, and sterilised by Tyndallisation.

SODII THIOSULPHAS.—Heating in an autoclave, Tyndallisation, filtration.

TRYPARSAMIDUM.—By dissolving in the requisite amount of Sterilised Water.

The subcommittee on the accuracy of biological assays has not yet made its final recommendations.

Pharmacy and Pharmacognosy Committee

The subcommittee on crude drugs recommends that the following changes or additional requirements be inserted:—

BUCHU.—Tests for Purity.—Add:—Alcohol (25 per cent.)-soluble extractive, not less than 20 per cent.

CALUMBA.—Tests for Purity.—Add:—Alcohol (60 per cent.)-soluble extractive, not less than 12 per cent.

RHEUM.—To the description add:—Known in commerce as Shensi, Canton, or high-dried rhubarb.

(To be continued)

A Discussion at Birkenhead

THE Birkenhead and Wirral Pharmacists' Association held a meeting and supper in the Woodside Hotel on March 11, Mr. J. Ambrose Lloyd (president) in the chair. Dealing with the Benevolent Fund, the chairman said Birkenhead, jointly with Walsall, was sixth in the list, and the Merseyside associations were among the first seven.

Mr. A. A. Dick's Address

MR. A. A. DICK (Pharmaceutical Society's Council) congratulated the Branch on their efforts on behalf of the Benevolent Fund. Their secretary had suggested that he should speak on the Poisons List and Rules, but this was a very difficult subject to talk about and at the same time make interesting. Very shortly they were going to have an official interpretation of the Rules. His experience had been that when a councillor had talked round rules and regulations they never got any further. "This I will say, for your comfort and guidance," he continued, "we have been trained to observe rules and regulations. There are some little things that may occasion some trouble, but I have no doubt it is something rather like what you had all anticipated it to be." He thought they lost a lot of their prestige with the general public when they began to dispose of their symbols and when they began to sell the standard preparations and give up their own specialities. "I do think," he remarked, "that you and I have been far too docile and far too ready to submit to putting up with what has been put on us by the Government, and probably what has been put on us sometimes by our own Council. Members of Parliament are of the same mind that our calling is far too modest, and that Parliament does not do anything for anybody who does not make a fuss about it." He did not think for a moment that the Home Secretary would delete articles from the List which they all thought he would grant and go beyond the decisions of the experts who had presented them. Yet they found that the Secretary of State made the most dangerous alterations to the recommendations of the Poisons Board. He put forward a motion in the Council that they should raise the matter in the House of Commons. The Council eventually decided to send a deputation to the Home Secretary, and they wasted this precious time which they might have utilised in stirring up the House of Commons to question the Home Secretary and compel him to show the reasons why he made these changes.

He was not making any apologies for the Council in this matter. Later they learned that the deputation had been received not by the Home Secretary, but by the Parliamentary Secretary to the Home Secretary. Whilst he would have accepted an interview with the Home Secretary himself, he would have declined to discuss the matter with anyone else. "There is nothing like standing up for your rights," he continued, "and once you have attained them one success leads you on to try again. And I say again that it is despite the pharmacists that these changes have been made by the Home Secretary, and I am most indignant that they were allowed to slip through without the opposition of pharmacy." "I would have had them challenged to the last," continued the speaker, "and then the Council could have said 'We went to the last ditch to prevent these changes'; and we should have had the satisfaction at least of knowing that we had done our best to protect the interests of those we represented. I have always contended that what we have the right to demand of the Government is that the Government should define for us the position of pharmacists in the health service of the country. We have never had that properly defined." The speaker contended that they should have insisted, when the present Act was first hinted at, on pharmacists being treated as well as pharmacy.

There were plenty of strong men in pharmacy, yet they would not stand for election because the cost made it so difficult to get on the Council. "My opinion," he said, "from observation and from what I know, is that the worst feature about the present method of election to Council is that it lends itself to group control. You take London as an instance. It is so very easy for London to be organised, whereas in the provinces the position is more difficult. My experience is that the types of difficulties facing pharmacy are not the same in all parts of the country, and therefore I say care should

be taken. It is no use saying it works out all right. It works out all right simply because there has not been a storm."

"With regard to the future," Mr. Dick added, "I am going to suggest to you that I think the only hope for pharmacy in the future is that we ought to induce the Council to formulate a Bill in which the position of pharmacy in the country will be properly defined. Never mind whether it gets through or not, it will be good propaganda. And I would have that Bill put to the Government, who should either be asked to allow time for its consideration in the House as a private members' Bill or put through by the Government themselves. We are far too modest. That is what has been wrong all along. We get all sorts of impudent things said about us and we have all along taken it. We ought to demand what we believe to be our rights as an educated craft who were fully approved by the Charter and prepared by examination to carry out those duties to the fullest extent. While I was going through the Charter I read that one of the grounds of appeal to the Government was that we were in a position substantially to promote the advancement of pharmacy by bringing about a uniform system of education and also for the protection of those who carry on the business of chemists and druggists. Now in the face of that, when I suggested that we raise the matter in the House of Commons, I was told we should get the antagonism of the Home Secretary. My answer to that was that one of the grounds upon which we were granted the Charter was for the right of protecting the rights of chemists and druggists. I said 'Do you say the Home Secretary would think less of us because we tried to do our duty than if we stood still there and allowed him to sit doing nothing?' I came to speak to you of the things I believe, and I will do all I can to carry forward the one thing that can help pharmacy to return to secure ground again."

Discussion

In thanking the speaker, MR. LLOYD said he believed their policy had been too quiet in lying down and not making a fuss about anything. MR. WALLIS (president of the Chester Branch of the Society) thought the rank and file of pharmacy were as much to blame as the Council. It was in the hands of the rank and file to select their leaders and they could not blame the leaders, because, after all, they were only doing the things which were asked of them by the members. It seemed to him that the lack of leadership was due in great measure to the laxity of members themselves. After forty years' experience he felt there was a great lack of driving power behind the Council. It was reflected in the returns of election papers sent out. MR. STEPHEN JONES, proposing a vote of thanks, said he remembered the circular sent round by Mr. Dick when he was standing for election. There was sincerity about it. He felt that the chemist had really no place in the system of things. His position had never been defined, and the only place in law they had was in the N.H.I. Act. It was time they had things amended. They had had a lot of Bills before Parliament, and it seemed to him that it was not so much to protect the pharmacist, but to protect the public from the pharmacist. When the provisions of the Bill were made known a small committee of the Birkenhead pharmacists met Mr. Graham White, M.P. for Birkenhead East, in that room and explained to him the serious implications of the alterations. He was so convinced that he was ready and willing to move the rejection of the Bill on behalf of the Council, and offered to meet them in the House to discuss the matter, but they did not accept that offer. He thought they should have more Northern men in the Council. They could not afford to compromise. It was time that opposition was offered. They should let it be generally known that the public could not do without them. MR. H. HIRST, in seconding the vote, said one of the main difficulties was that they were scattered and unable to get together in the same way as the trade unions did. When they did come to any decision and send it up to headquarters it seemed to him that it was always put into some convenient pigeon-hole. They should stand up for their rights, but there were times when they felt they were not getting the support from the Society which they should have. MR. C. H. WRIGHT supported the vote of thanks.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

ENGLAND AND WALES

Kesteven.—In the Kesteven (Lincs) area 52,784 prescriptions were dispensed by chemists in 1935. For testing purposes thirteen samples of medicines and appliances were obtained; of these four were the subject of investigation by the Pharmaceutical Service Subcommittee. In the two years prior to 1935 no reference to this Committee had been necessary. The subcommittee now reported having considered three cases of inaccurate dispensing. The first was a deficiency of 23 per cent. of an ingredient in a lotion, and the chemist concerned stated that he was away when his assistant dispensed the prescription. He expressed his regret that the error had arisen. The Committee decided that the chemist should be warned. The second case showed excesses in two ingredients in a sample of lotion, and in this case it appeared that the excesses shown were due to the bottle used being below the required capacity. In this case the chemist had been asked to exercise greater care. The third case was a deficiency of 55 per cent. of an ingredient in a sample of medicine. The chemist stated that while dispensing the medicine he was called away after he had put the weights on the scales for measuring the drug, and he could only assume that in his absence one of his assistants had borrowed a weight. It was decided that the chemist should be severely cautioned.

Nottinghamshire.—Of forty-three samples of medicines and appliances obtained from persons and firms under contract with the Notts committee, under the committee's scheme for testing drugs and appliances, thirty-five samples were found on analysis to be of correct quantity and quality. In six cases, it was stated at a recent meeting of the Insurance Committee, the analyst's certificates had not yet been received, but it might reasonably be anticipated that these also would be found to be of the same high standard. In only two cases was it necessary to recommend the withholding of money, or to request that more care should be exercised. The Pharmaceutical Service Subcommittee reported upon investigation of a complaint that a firm of chemists in the county had left their business in charge of an unqualified person when the qualified manager was absent on holiday. In view of the fact that they possessed an exceedingly good record, and had given an undertaking, it was resolved to reprimand them, and to request the Minister of Health to withhold £1. The number of insured persons on the register on January 1, 1936, was 177,859, compared with 174,174 on January 1, 1935; 144,421 insured persons obtained their drugs and appliances from chemists on the list, while 27,217 secured drugs and appliances from their doctors. On December 31, 1935, 147 chemists or firms were under agreement with the Committee in respect of 196 shops. The number of scripts issued during the year ended September 30, 1935, was 575,813, compared with 556,630 for the previous year. The cost of drugs and appliances supplied to insured persons in the Committee's area for the period November 1934 to October 1935 was £21,585 3s. 9d. The cost of the provision of insulin on 3,100 prescriptions was £762, and of vaccines and serums on 126 prescriptions £57.

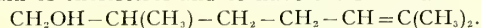
Sheffield.—Representations have been made by the Pharmaceutical Committee to the Ministry of Health that the Minister's approval of the present scheme for the testing of drugs and medicines be withdrawn and that acceptance of the national scheme become compulsory. The Insurance Committee, which received a letter from the Minister bearing upon these representations, did not consider that they provided any reason for such withdrawal, and appointed a subcommittee to arrange for a deputation to the Ministry if thought advisable. A communication sent by the clerk to a chemist was returned undelivered. Inquiries revealed that the shop was now occupied by another class of business and that the present address of the chemist was unknown. It was decided at a recent meeting of the Committee to report the particulars of the case to the Minister of Health. Chemists' claims in the matter of seven prescriptions returned from the Pricing Bureau, ordering proprietary preparations in quantities not corresponding exactly to the quantities contained in original packages were passed for payment.

Schimmel's Report

THE English version of this excellent publication is now available. It is full of good things, a few of particular interest being the following:—

The secretion from the so-called musk glands of alligators (*Alligator sclerops* and *A. latirostris*) examined by Fester and Bertuzzi is described. It is a yellow, viscous fatty oil, which solidifies to a semi-solid on cooling. The oil contains about 80 per cent. of saponifiable matter, the acid constituent containing a little isovaleric acid, about 45 per cent. of saturated fatty acids (principally palmitic and myristic acids), and about 35 per cent. of unsaturated fatty acids. The unsaponifiable matter contained cholesterol, cetyl alcohol and an odorous body to which the name yacaryl has been assigned. This body has the formula $C_{26}H_{50}O$ or $C_{26}H_{48}O$. Its specific gravity is 0.865

at $\frac{140}{40}$, refractive index 1.4543 at 18°, boiling point 234° at 757 mm., and solidifying point -10°. It appears to be an open chain alcohol with a sweet, rose-like odour. Amino bases are also present in the secretion. The authors have made an exhaustive examination of yacaryl, the specimen used having an optical rotation +6° 20', and boiling at 234°, the main portion distilling at 105° at 12 mm. The substance had a surface tension 32.3 dynes at 17°, corresponding to a parachor of 392 (theoretical for $C_{26}H_{50}OH=387.5$). It contains one double bond, and on oxidation with potassium permanganate it yields acetone and levulic acid. The authors are of opinion that yacaryl is 2:6-dimethylheptene-2-ol-7, a compound which has been synthesised by Doenore and was described by him as having a rose-like odour. It appears to be formed from the side chain of cholesterol and to have the formula



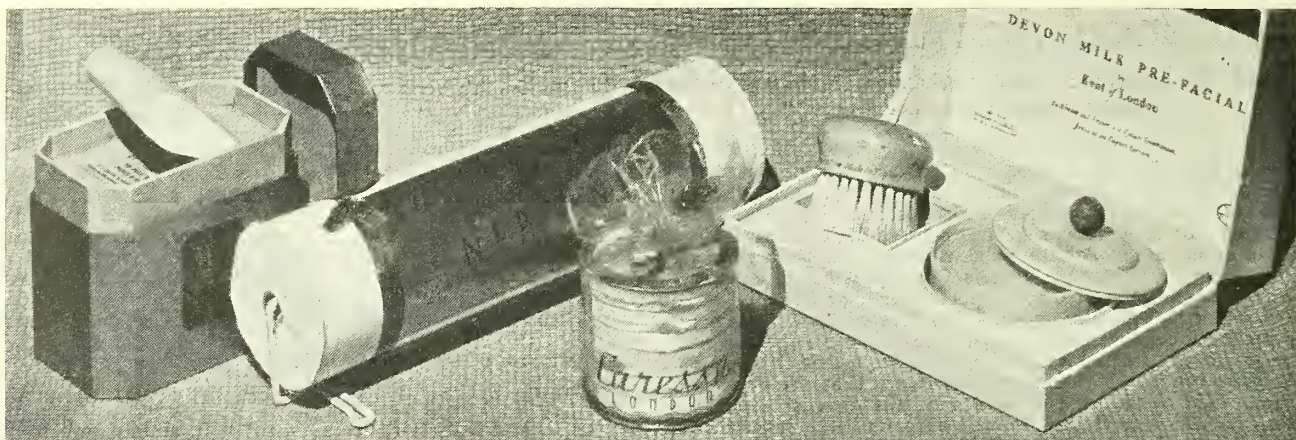
The investigations of Takei, Sakato and Ono on the leaf oils of tea, mulberry, acacia and radish are of considerable interest. The yield of oil is very low in each case, but all were found to contain from 5 to 6 per cent. of hexenal, the so-called leaf aldehyde, and from 20 to 50 per cent. of the alcohol hexenol, which is responsible for the "green" odour of the leaves. Spring leaves contain a maximum of the alcohol and are therefore the strongest in odour.

Stamm and Willnev have carried out an interesting investigation on the loss of essential oil in various drugs by storage. They find the loss in oil from sage leaves kept in a dark cupboard in paper bags was 17.6 per cent. in one year, and only 20.6 per cent. in seven years. Marjoram herb, however, only lost 9.5 per cent. in one year, but 54.8 per cent. in seven years. Peppermint leaves lost 36.1 per cent. in one year, 50 per cent. in 5 years and 62.5 per cent. in seven years. The greatest loss was observed in melissa leaves, being 55.5 per cent. in one year and 94.4 per cent. in seven years.

The somewhat loose use of the term "rhodinol" in commerce is well emphasised in the interesting work of Lagneau, which is here carefully recapitulated. The following products were examined:—(1) Commercial citronellol from citronella oil, (2) the same from geranium oil, (3) commercial rhodinol from geranium oil, (4) rhodinol from otto of roses via the benzoyl compound, (5) a fraction of pure otto of roses boiling between 95° and 120° at 15 mm. In the following table A indicates the percentage of alcohols indicated by acetylation and F the percentage by formylation:—

	S.g. 320°	A %	F %	Optical rotation
1 ...	0.858	100.1	98.5	+ 4.14°
2 ...	0.860	100.4	99.7	- 1.60°
3 ...	0.881	99	75.8	- 5.16°
4 ...	0.853	100	101	- 4.78°
5 ...	0.877	93.5	58.8	- 3.31°

It was concluded that the alcohol $C_{10}H_{20}O$ from rose oil is the *laevo*-isomeride of the *dextro*-citronellol of citronella oil. The so-called *l*-rhodinol or *l*-citronellol from geranium oil is stated to be a different chemical compound from the *l*-rhodinol of rose oil. It appears from work published up to the present that apart from the optical isomerides of citronellol (rhodinol) there exists in these oils structural isomerides of the formula $C_{10}H_{20}O$.



"PACKAGING" FOR CHEMISTS

The presentation of powders, tablets, pastilles, pills, liquid preparations and creams has been discussed in earlier articles in this series. Notes on some chemists' sundries and other items are given below in the concluding article of the series.

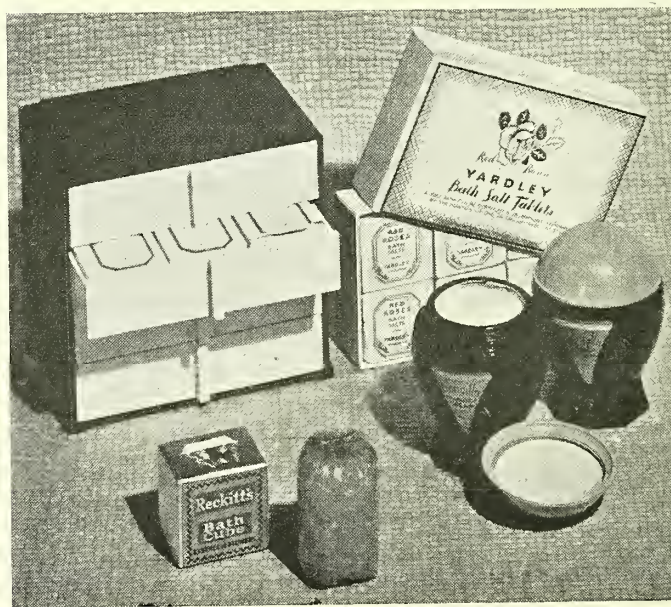
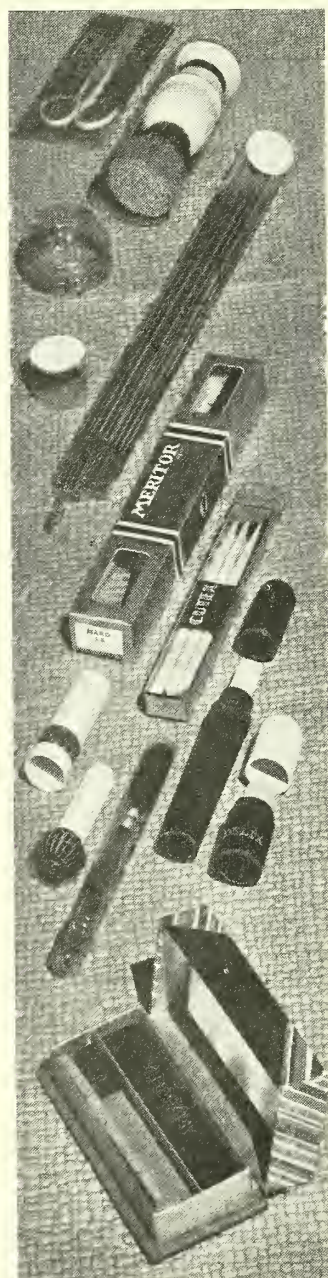
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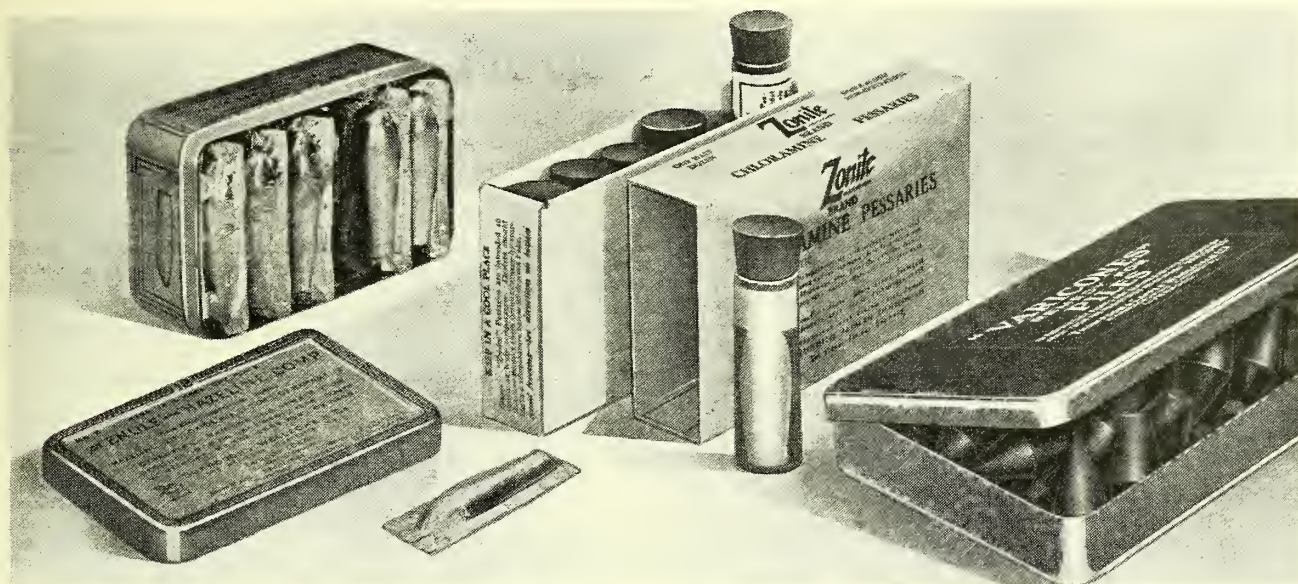
(Concluded from THE CHEMIST AND DRUGGIST, February 8, p. 161)

Examples by: (head of page), T. J. Smith & Nephew, Ltd.; Caressa, Ltd.; G. B. Kent & Sons, Ltd.; (left), S. Maw, Son & Sons, Ltd.; George Harrison (Agencies), Ltd. (Flexiglass); J. C. Gambles, Ltd. (Cutex products); Edward Hack, Ltd.; Robel, Ltd.; (right), Yardley & Co., Ltd.; J. C. Gambles Ltd. (Bancilla); Reckitt & Sons, Ltd. The container for bath salts cubes by Yardley is provided with eyelets for affixing to the wall of a room if desired.

THE art of packaging has virtually created new articles out of staple "chemists' sundries" commodities. An example is the Neptune cotton-wool container illustrated at the head of this page. The customer sees it as something different from the cotton-wool in 1lb. rolls, and receives a suggestion of new uses. Much the same may be said of the Neptune tissue which, mounted on a frame which can be stood or hung as required, is readily bought by many who would hesitate to buy the same tissue loose. The advantages of the cellophane wrapper for Caressa puffs are cleanliness, ease of examination of the surface as well as the edge of the puffs, and the prominence given to the brand name without interference with visibility. The Devon Milk Prefacial represents a bid to encourage demand for one class of goods by association with another.

The distinctive shapes given to the brush and plastic bowl are added attractions. The group of articles on the left of the page illustrate the possibilities opened up by the newer packing materials. Without "Trans" or some similar material, the cleanliness and colour of the Meritor baby scissors would be rendered extremely difficult to convey to the customer's mind. The same material composes drinking straws and their container, also shown. Flexiglass containers, holding shaving brush, camel hair brush for iodine paint, etc., are rigid, hygienic, transparent and suitable for many classes of merchandise. The Meritor double-windowed carton aims at displaying the coloured handle as well

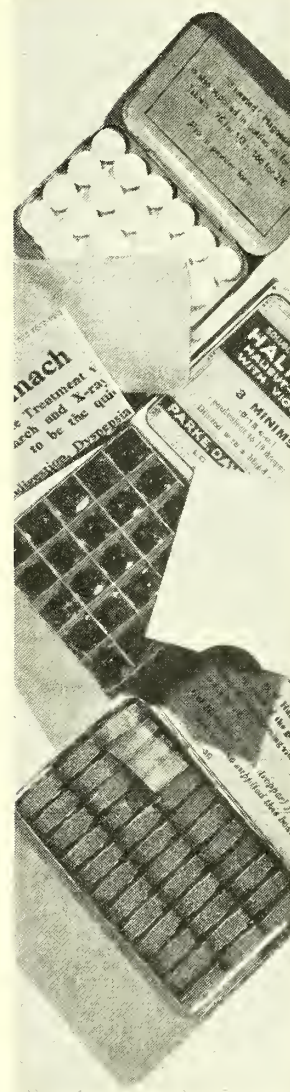
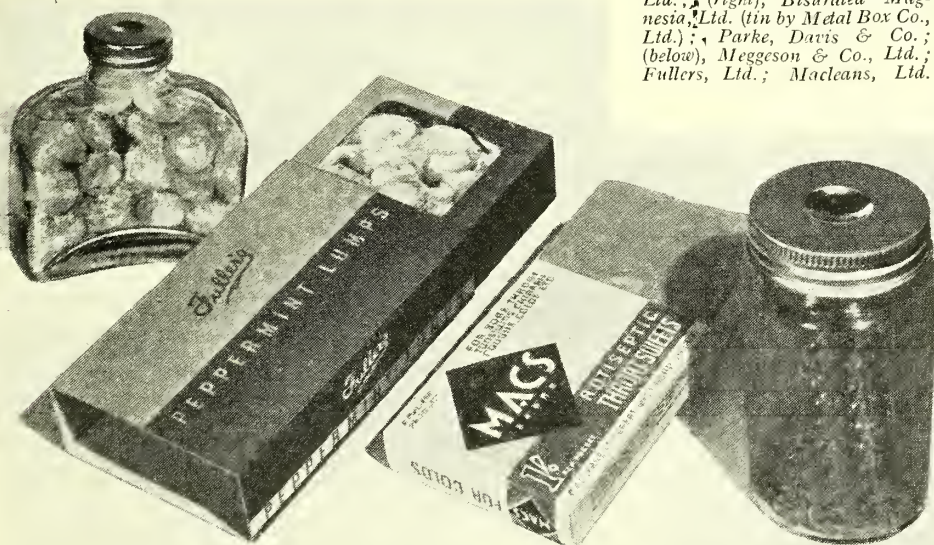




as the bristle of the toothbrush it contains. Recently cellophane envelopes have appeared for a branded toothbrush enabling the bristles, it is claimed, to be felt as well as seen, without detriment to their sterile state. A most attractive development of the "window" carton is the open-ended cellophane outer for a cardboard drawer containing Cutex orange sticks. Holder containers for styptics, iodine tincture, etc., by Edward Hack, Ltd., Maw, and others, are miniature masterpieces of compactness and utility. Cheramy eyebrow colour attracts buyers by offering an outfit complete with brush and mirror. An elaborate storage container is that in black and white bakelite for Yardley bath salts cubes, shown beside a refill carton. In front of it are a cellophane bag of crystals and a single bath cube, each an advance in convenience to the user upon earlier bulk containers. The egg-cups of Boncilla creams are novelties which sacrifice nothing in utility, since their screw-caps are accurately fitted and the shape is accommodating to the finger. Enule suppositories, each wrapped in foil drawn out to a rectangle, are supported in the tin upon a metal rack which enables each to be removed separately. In the Zonite slide, six pessaries are presented, each in a glass tube with thick buffer of felt and rubber stopper, being thus proof against damage from almost

any cause. The lozenges illustrated, fitting tightly into the tin, are provided with a projecting paper ribbon to assist removal of the first lozenge. The glass bottle and jar of confectionery are fitted with double caps and rubber rings to ensure air-tightness. A "pop" on the lid has now been adopted. In some "window" cartons the cellophane is a source of weakness. This drawback is overcome, in one example, by placing the window upon a slide completely protected, when closed, by the rigid card outer.

Examples by: (head of page),
Burroughs Wellcome & Co.
Zonite Products Corporation;
Thompson & Capper (Wholesale),
Ltd.; ♀ (right), Bisurated Mag-
nesia; ♀ (left, tin by Metal Box Co.,
Ltd.); ♀ Parke, Davis & Co.;
(below), Meggeson & Co., Ltd.;
Fullers, Ltd.; Macleans, Ltd.



Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, March 19

A RATHER QUIET TONE is reported in most markets, and the volume of business transacted has been disappointing. Unsettled world conditions may partly account for the slower demand, particularly in export and speculative business. Values, with a few exceptions, are keeping steady, chiefly in the cases of natural products, where the stocks here and at the sources are well below normal. The demand for Italian goods has slackened considerably, due, no doubt, to the possibility of the withdrawal of the prohibition of imports. There is little of importance to comment upon in the PHARMACEUTICAL CHEMICALS markets, where business is certainly on the quiet side and prices for a number of imported products are being severely cut. Home makers' prices are keeping fairly steady.

Crude Drugs

Business in AGAR has been quiet on spot, and values are getting down to new crop parity. ALOES quiet, with some fine liver Curaçao now available here. Practically all supplies on spot of BARBASCO root have been cleared; shipment market firm. Norwegian COD-LIVER OIL crop is reported to be disappointing. DERRIS root is very firm and in good demand, with good test root scarce. Russian ERGOT continues unsteady, tending easier. French GENTIAN in good demand and firm. Matto Grosso IPECACUANHA continues firm on spot. MENTHOL has been a slow market, and values are slightly easier. MERCURY is fully steady and active. Florentine ORRIS root scarce and dear. There are still no shipment offers of RHUBARB except for rough round. SENEGA is steady but quiet. Fair inquiry for best grades of Alexandrian hand-picked SENNA pods. Steady business in druggists' qualities of TRAGACANTH; market firm with supplies limited. BEES' WAXES have been quiet, and CARNAUBA is quoted slightly easier for fatty grey.

Essential Oils

Business in most of these products this week has been no more than average. Famine prices are now being asked for the very small quantity of ANISE (STAR) on spot, and there is still nothing offered for shipment. BERGAMOT has been dull all the week, and prices quoted have re-acted a little. CANANGA is easier forward. Australian EUCALYPTUS has been in very fair demand, and, due to shortage at the source, prices have advanced. The demand for Sicilian hand-pressed LEMON has been negligible and prices now mentioned are somewhat less stringent. There is no further change to report in prices for the Californian oil, but supplies available here are very small at the moment. There has been a sharp and substantial advance in spot and shipment prices for the French Guinea ORANGE, and, at the moment, supplies on spot seem to be limited and shipment offers are also being restricted, but there is no evidence suggesting that supplies at the coast are in any way short. A fair spot business in Japanese PEPPERMINT is recorded and the demand from the Continent for affoat parcels has also been sustained; Japanese shippers' quotations continue firm but rather irregular.

A drug auction will be held at the Commercial Sale Rooms, Mincing Lane, on Thursday next, March 26.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	March 19	Value of the £
Amsterdam ...	Fl. to £	12·107	7·26½	12/0
Berlin ...	Mks. to £	20·43	12·28	12/0½
Brussels ...	Belgas to £	nominal	29·28	16/9
Copenhagen ...	Kr. to £	18·159	22·40	24/8
Lisbon ...	Esc. to £	110	109½	19/11½
Madrid ...	Ptas. to £	25·22½	36½	28/5½
Milan ...	Lire to £	92·46	62½	13/6
Montreal ...	Dol. to £	4·86½	4·97½	20/5½
New York ...	Dol. to £	nominal	4·97½	20/5½
Oslo ...	Kr. to £	18·159	19·90½	21/11
Paris ...	Fr. to £	124·21	74½	12/0½
Prague ...	Kr. to £	164·25	119	12/0½
Stockholm ...	Kr. to £	18·159	19·39½	21/4
Warsaw ...	Zloty to £	43·38	26½	12/0½
Zurich ...	Fr. to £	25·2115	15·13	12/0½

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

RATHER quiet markets continue to be reported, with business mostly confined to orders for limited quantities. Competition in a number of lines is still intense.

AMIDOPYRINE.—A dull and irregular market: crystals, five cwt., 18s. 0½d.; two cwt., 18s. 5½d.; less than two cwt., 18s. 10½d. per lb., with powder 2½ per lb. extra.

AMMONIUM BENZOATE.—Average business, market steady: spot is quoted from 3s. 4d. to 3s. 6d. per lb., as to quantity.

AMMONIUM ICHTHIOSULPHONATE.—Steady demand for limited quantities on spot: one cwt., 1s. 6½d., in 14-lb. tins; 1s. 8d., in 1-lb. tins; 1s. 10½d., in 8-oz. tins, and 2s. 1d. per lb., in 4-oz. tins.

ASPIRIN (TABLETS).—The following are agreed wholesale prices of the British makers: Under 5,000, 3s. per 1,000; 5,000, 2s. 11d.; 10,000, 2s. 10d.; 25,000, 2s. 9d.; 50,000, 2s. 8d.; 75,000, 2s. 7d.; 100,000, 2s. 6d.; 250,000, 2s. 5d.; 500,000, 2s. 4d.; 1,000,000, 2s. 3d.; 2,000,000 and over, 2s. 2d. per thousand tablets. A rebate of 1d. per 1,000 is allowed on orders for 10 million tablets taken over a period of 12 months. For small quantities higher prices would be asked by wholesale distributors.

BARBITONE.—Business of small account, quoted very keenly: spot, one cwt., 15s. 3½d.; 56 lb., 15s. 8d.; small parcels, up to 16s. 2d. per lb.

BENZOIC ACID (B.P.).—Fair business, market steady: quantities, ex works, 1s. 9½d.; spot parcels, 1s. 10d. to 2s. 3d. per lb., ex store, as to quantity.

BENZONAPHTHOL.—Spot values are quoted from about 3s. 2d. to 3s. 3d. per lb., as to quantity.

BISMUTH SALTS.—Contracts are booked for 1 cwt. and upwards for delivery over three months and are subject to a rise and fall clause. A rebate of 3d. per lb. is allowed on sales of not less than 2 cwt. assorted salts provided delivery is completed within three months.

					Net Monthly Account	Net 14 days prompt			
					Under 8 lbs.	8 to 27 lbs.	28 lbs.	1 cwt.	
					Per lb. s. d.	Per lb. s. d.	Per lb. s. d.	Per lb. s. d.	
Carb. P.B.	...	...	...	...	8 6	7 3	6 9	6 6
Cit. B.P.C.	...	...	...	...	11 8	10 5	9 11	9 8
Nit. Cryst.	...	...	...	...	6 7	5 4	4 10	4 7
Oxid. B.P.C.	...	...	...	...	12 8	11 5	10 11	10 8
Salicyl. P.B.	...	...	...	...	9 11	8 8	8 2	7 11
Subchlor. (Oxychlor.)	B.P.C.	...	...	...	12 5	11 2	10 8	10 5
Subgall. B.P.C.	...	...	...	...	9 7	8 4	7 10	7 7
Subnit. B.P.C.	...	...	...	...	7 8	6 5	5 11	5 8

BROMIDES.—Prices are steadily maintained, fair business: Ammonium, not less than 5 cwt., 1s. 9d.; one cwt., 1s. 10d.; smaller quantities, 2s. 5d. per lb.; potassium, B.P. crystals and granular, not less than 5 cwt., 1s. 6d.; one cwt., 1s. 7d.; 28 lb., 1s. 10d.; smaller quantities, 2s. 2d. per lb.; sodium, B.P., not less than five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s.; smaller quantities, 2s. 4d. per lb., net, without engagement. Special prices for larger quantities.

BUTYL CHLORAL HYDRATE.—Average small parcel business: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—Continental makers' agreed prices: pure alkaloid, two cwt., 7s. 10d.; one cwt., 8s.; 56 lb., 8s. 2d.; smaller quantities, 8s. 4d. per lb., delivered, 5-lb. tins free, smaller packing extra. Citrate, two cwt., 5s. 5½d.; one cwt., 5s. 6½d.; 56 lb., 5s. 7½d.; smaller quantities, 5s. 8½d. per lb., delivered. British material: pure, 56 lb., 8s. 4d.; less, 8s. 6d. per lb. Citrate, 56 lb., 5s. 9d.; less, 6s. per lb.

CALCIUM LACTATE.—Fairly steady, with business moderate: spot, one cwt., 1s. 0½d.; 56 lb., 1s. 1½d.; smaller quantities, up to 1s. 6d. per lb.

CARBOLIC ACID (B.P. CRYSTALS).—The scale of prices is as follows: Twenty tons, 7d.; ten tons, 7½d.; one ton, 7½d.; less than one ton, 7½d. per lb., in drums, carriage paid. Wholesale distributors' prices for small parcels will be dearer.

CHLORAL HYDRATE.—Makers' home trade prices are very steady: duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 1d.; one cwt., 3s. 2d.; 28 lb., 3s. 3d.; 14 lb., 3s. 4½d. per lb.; 28-lb. jars, one penny per lb. extra.

CHLOROFORM.—Makers' prices are as follows: 2 cwt., 2s. 5½d.; one cwt., 2s. 6d.; 56 lb., 2s. 6½d.; less, 2s. 7½d. per lb., in w-quarts of 8 lb. Packed in drums, ½d. per lb. less. Small bottles extra, from 5d. per lb. for ¼-lb. bottles to 1d. for 2-lb. bottles. Carriage paid on minimum cwt. lots.

CITRIC ACID (B.P. CRYSTALS).—A very fair inquiry, market quite steady: British material quoted at 1s. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

COCAINE.—British makers' prices for bulk quantities and wholesale distributors' scale for small quantities are unchanged for home trade. Export prices vary as to destination.

CREAM OF TARTAR.—Market is unchanged, fair inquiry: British material, 99 to 100 per cent., 79s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

IODIDES.—Market is steady, business about average: Potassium Iodide, B.P., one cwt., 5s.; 28 lb., 5s. 2d.; 14 lb., 5s. 4d.; 7 lb., 5s. 8d.; 4 lb., 6s. 2d.; smaller quantities, 6s. 8d. per lb., carriage paid.

LACTIC ACID (B.P.).—Market is very steady and business fairly satisfactory: quantities in carboys, 1s. 4½d. to 1s. 5d.; in winchesters and bottles, 1s. 6d. to 1s. 10d. per lb., as to quantity.

MERCURIALS.—This market is firm, business average: Chloride, B.P., not less than one cwt., 4s. 11d.; less than one cwt., from 5s. per lb. upwards.

METHYL SALICYLATE.—This market continues competitive, with some imported material at keen figures: spot, ten cwt., 1s. 2½d.; five cwt., 1s. 3d.; one cwt., 1s. 3½d.; less than one cwt., 1s. 3½d.; small quantities, in bottles, up to 2s. per lb.

PHENACETIN.—A limited demand, with prices steady at former low levels: crystals or powder, bulk quantities, 2s. 6d. to 2s. 7d.; smaller parcels, 2s. 7½d. to 3s. per lb., as to quantity.

PHOTOGRAPHIC CHEMICALS.—**AMIDOL.**—28 lb., 7s. 6d.; 14 lb., 8s. 3d.; 7 lb., 9s.; under 7 lb., 11s. 9d. per lb., in 1-lb. bottles. **CHLOROQUINOL.**—1-lb. bottles, 21s. per lb. **GLYCIN.**—7 lb., 10s. 6d.; 1-lb. bottles, 13s. 6d. per lb. **HYDROQUINONE.**—56 lb., 4s. 10½d.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; 1-lb. bottles, 6s. 6d. per lb. **METOL.**—28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 9d.; 3 lb., 11s. 6d.; 1-lb. bottles, 12s. 6d. per lb. **ALUM (PHOTOGRAPHIC QUALITY).**—1 cwt., 21s. per cwt.; 28 lb. for 6s. **GOLD CHLORIDE.**—15-grain tubes, 51s. 6d. per doz. **MAGNESIUM POWDER.**—10s. per lb. **PARAMIDOPHENOL HYDROCHLOR.**—8s. 6d. per lb. **POTASSIUM FERRICYANIDE.**—14 lb., 2s. 3d.; 7 lb., 2s. 6d.; 1 lb., 2s. 9d. per lb. **POTASSIUM METABISULPHITE.**—One cwt., 7½d.; 28 lb., 8d.; 14 lb., 9d.; 7 lb., 11d.; 1 lb., 1s. per lb. **PYROGALLIC ACID.**—28 lb., 6s. 9d.; 14 lb., 7s. 6d.; 7 lb., 8s. 3d.; under 7 lb., 8s. 9d. per lb. **SODIUM CARBONATE (RECRYST).**—5 cwt., 12s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. **SODIUM HYPOSULPHITE, CUBE, CRYST.**—5 cwt., 16s. 3d.; 1 cwt., 18s. 6d. per cwt., 56 lb. for 11s. 6d.; 28 lb. for 6s. **SODIUM SULPHIDE (PURE).**—7 lb., 1s. 3d.; 1 lb., 1s. 6d. per lb.

POTASSIUM PERMANGANATE (B.P.).—Fair business, with dealers' prices steady. Quantities in drums, 8½d. to 9d.; smaller packings, from 9½d. to 1s. per lb., as to quantity.

POTASSIUM SULPHOGUAICOLATE.—Market remains slack and unsteady: spot, about 6s. 3d. to 6s. 4½d. per lb., as to quantity.

QUININE SALIS.—Convention scales of prices continue steady: business about normal; sulphate, 2s. 1d.; bisulphate, 2s. 1d.; ethyl carbonate, 2s. 8½d.; salicylate, 2s. 9½d.; hydrochlor., 2s. 7½d.; dihydrochloride, 2s. 10½d.; hydrobromide, 2s. 7½d.; bihydrobromide, 2s. 10½d.; valerianate, 3s. 7d.; hyposulphite, 3s. 10½d.; alkaloid, 2s. 11d. per oz., carriage paid on bulk quantities, 100-oz. tins free; smaller packing extra.

RESORCIN.—A moderate inquiry, quoted unchanged: crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., up to 6s. per lb.

SACCHARIN.—The Convention price for 550 is 37s. 6d. per lb., duty paid, with rebates for quantities.

SALICYLIC ACID (B.P.).—Market is fairly steady but quiet: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 8d.; 14 lb., 1s. 9d.; 7 lb., 1s. 10d.; 4 lb., 2s. per lb.

SALOL.—Market is competitive and rather dull: spot, crystals, two cwt., 3s. 6d.; one cwt., 3s. 6½d.; 56 lb., 3s. 7½d.; smaller parcels, up to 4s. per lb.; powder, 2½d. per lb., extra.

SODIUM BENZOATE (B.P.).—Business fairly good, with keen prices quoted for bulk quantities: bulk quantities, about 1s. 6d.; one cwt., 1s. 7d.; smaller parcels, 1s. 8d. to 1s. 10½d. per lb., as to quantity.

SODIUM DITHYLBARBITURATE.—Market is steadier at the recent reduction: spot, one cwt., 14s. 9d.; 28 lb., 15s.; 14 lb., 15s. 3d.; 7 lb., 15s. 6d.; smaller parcels, up to 16s. per lb.

TARTARIC ACID (B.P. CRYSTALS).—Fair business, market steady: British makers quote at 1s. per lb., less 5 per cent. discount. Dealers offering foreign material at competitive prices.

VANILLIN.—Average business, with Convention prices steady: ex clove oil or guaiacol, five cwt., 13s. 3d.; one cwt., 13s. 6d.; 56 lb., 13s. 9d.; less, 14s. per lb.

Crude Drugs, etc.

ACONITE ROOT.—Occasional spot inquiry for small parcels: Naples, about 62s. 6d. per cwt.

AGAR.—Business on spot has been slow. Values are now down to more or less the parity of new crop now arriving: spot, Kobe No. 1, 2s. 6d.; No. 2, 2s. 4½d.; Yokohama, No. 1, 2s. 5d. per lb.; shipment, Kobe No. 1, 1s. 10½d.; No. 2, 1s. 9½d.; Yokohama, No. 1, 1s. 10d. per lb., c.i.f.

ALOES.—Business has been rather slow. Some fine liver Curaçao now available on spot: Cape, spot, boxes, 52s. 6d.; cases, 54s. 6d.; shipment, prime in boxes, 51s. 6d. per cwt., c.i.f. Curaçao, spot, 105s. to 122s. 6d. for fine liver; shipment, 99s. to 102s. 6d. per cwt., c.i.f.

ANTIMONY.—Chinese crude is quoted at £30 10s., c.i.f. English regulus, £72 to £73, spot.

BALSAMS.—Market is steady, business slow: *Tolu*, 1s. 6d.; *Canada*, 2s. 9d.; *Peru*, 5s. 4d. per lb., spot.

BARBASCO ROOT.—Some nice business and most of the limited spot stocks have been cleared with the price nominal at 1s. 2d. The shipment market is firm, with root of 4 per cent. rotenone basis quoted for May-June shipment firm at 10½d. per lb., c.i.f. It is difficult to get offers for early shipment.

BELLADONNA.—Dealers are offering small spot parcels with leaves 60s.; root, 50s. per cwt., spot.

BUCHU.—Shipment from the Cape is being steadily maintained at 1s. 2d. per lb., c.i.f., for new crop rounds. A fair number of bales are now landing here. Some bales of old crop continue to be quoted at former figures. Business still rather slow.

CAMPOR.—Routine spot business, with the market keeping steady: Japanese, spot, tablets, 2s. 5d.; powder, 2s. 3d.; slabs, 2s. 2½d. per lb., ex store. Shipment, tablets, 2s. 1½d.; powder, 2s. 0½d.; slabs, 2s. per lb., c.i.f. English refined is unchanged; flowers, 1 cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz., and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ½ oz., and ¼ oz., 3s. 6d. per lb., special prices for contracts and quantities.

CANTHARIDES.—Shipment offers of Chinese flies are at attractive figures: Russian, spot, 6s. 4½d. to 6s. 6d.; Chinese, spot, 2s. 1½d. to 2s. 3d.; shipment, 1s. 7d. per lb., c.i.f.

CASCARA SAGRADA.—Market is keeping quite steady but business is slow: spot, 1932 peel, 56s.; 1933 peel, 54s.; 1934 peel, 52s.; 1935 peel, 50s. per cwt.; shipment, 1933 and 1934 peel, about 46s. and 1935 peel firm at 42s. 6d. per cwt., c.i.f.

CELERY SEEDS.—Fair quantities of seed are being quoted on spot in the region of 85s. per cwt.

CHAMOMILES.—Business rather quieter, with quotations unchanged from 130s. for white flowers down to 100s. per cwt. for mixed off-colour.

CLOVES.—Values are level on the week, business quiet: Zanzibar, spot, 7½d.; shipment, March-April, 6½d. per lb., c.i.f. Madagascar, in bond, 6½d.; shipment, March-April, 6d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended March 14 were nil and the deliveries nil, leaving a stock of 1,813. From January 1 to date the landings of Zanzibar have been 1,515 and the deliveries 759. Landings of Madagascar for the week ended March 14 were 300 and the deliveries 68, leaving a stock of 1,321. From January 1 to date landings of Madagascar have been 500 and the deliveries 741 packages.

COCONUT (DESICATED).—Values are dearer on the week, market closing steady: spot, fine, 25s. 3d.; medium, 25s. 3d. per cwt.; shipment, halves, March, 23s. 6d.; April, 23s. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports Lofoten fishing has been poor; results to March 14 were 43,001 tons of cod and 22,104 hectol. of oil, compared with 34,205 tons of cod and 21,570 hectol. of oil at the same date in 1935, and 52,271 tons of cod and 33,545 hectol. of oil in 1934. The shipment market is reported steadier but rather quiet. Finest Lofoten steam refined medicinal oil, 84s. to 85s. per barrel, c.i.f., London; spot, in small lots, about 127s. 6d. per barrel, ex store, duty paid. Newfoundland, non-freezing medicinal oil, about 130s. per barrel, ex store. British non-freezing medicinal oil is now quoted at 100s. per barrel, c.i.f., London, duty free, while quotations from another home source are at higher figures.

DAMIANA LEAVES.—Fair amount of small business on spot, with values steady at 8d. to 9d. per lb.

DANDELION ROOT.—There is still a scarcity of good foreign root, for which about 82s. 6d. per cwt. is wanted.

DERRIS ROOT.—Inquiry for this article continues on a good scale, and there is a shortage of good test root here. A parcel testing 16.2 per cent. ether extract is available at 10½d. Shipment offers, basis 17 per cent. ether extract, 9½d., c.i.f., with 4 per cent. rotenone at 1s. 4d. per lb., c.i.f.

DIGITALIS LEAVES.—Not much inquiry on spot, with dealers quoting in the region of 70s. to 72s. 6d. per cwt.

ERGOT.—Business has been unimportant and the general tone is unsteady. Spanish and Portuguese have been idle and are nominally unchanged on quotation. Russian for shipment is at about

3s. 3d. to 3s. 4d., c.i.f., with spot offers at about 3s. 6d. to 3s. 8d. per lb., with little doing.

GENTIAN.—There is a fair demand on spot, and the moderate supplies of French root are very steady as quoted at 40s. per cwt.

GINGER.—West African is quoted dearer forward, market firm: West African, spot, 50s.; for arrival, 45s. per cwt., c.i.f. Jamaica, spot, bold, in barrels, 96s. to 100s.; small grinding, 70s. per cwt., in bags, ex store.

GUM ACACIA.—This market has remained quiet, values just about maintained: spot, Kordofan cleaned sorts, 41s.; bleached, No. 1, 110s.; extra, 120s. per cwt.; shipment, Kordofan cleaned sorts, 35s. 6d. per cwt., c.i.f.

HENBANE.—Occasional small inquiry, with spot values in the region of 80s. per cwt.

HENNA.—A few inquiries on the market for new crop Egyptian: Indian, 30s. to 32s.; Egyptian, new crop, green, 32s. 6d. per cwt.

HONEY.—Market continues steady, with rather less inquiry this week: Jamaican, dark manufacturing, 32s. up to 48s. for pale set. Haiti, amber to pale grainy, 24s. 6d. to 27s. 6d.; Trinidad, dark liquid, 29s. up to 42s. 6d. for pale set. San Domingo, dark liquid, 29s., in bond. Guatemala, 28s., in bond. Mexican, amber, about 28s. per cwt., in bond.

HYDRASTIS.—Not much doing in this article, but the spot value is fully steady at 10s. per lb.

IPCACUANHA.—A modest business at full prices, with available stocks of good test root limited: Matto Grosso, B.P. test, 5s. 6d. to 5s. 7½d. per cwt.; parcels of lower test, 5s. 3d. to 5s. 4d.; shipment firm at 5s., c.i.f., with bids of 4s. 7½d., c.i.f., rejected.

LIQUORICE ROOT.—Natural root fairly freely offered at about 12s. 6d. per cwt. Limited supplies of decorticated steady at 47s. 6d. per cwt., spot.

LYCOPodium.—Continues firm on spot at 10s. per kilo., with supplies very scarce.

MENTHOL.—This market has been generally quite, and values have eased a little: K/S brands, spot, 14s. 9d. to 14s. 10d. Re-sellers of January-March at about 13s. 4d., c.i.f. Japanese shippers quote April-May shipment at 13s. 6d., c.i.f., as a counter to bids of 12s. 11d. for March-April. The source indicates a firm market.

MERCURY.—The Spanish-Italian group report their shipment price is fully steady and business continues on a fair scale: shipment, 63 dollars per bottle, f.o.b., Continent; spot, in small lots, £12 17s. 6d. to £12 18s. per bottle, ex store.

OPIMUM.—Market is steady, with small order business passing: spot, 1s. 4d. to 1s. 4½d. per unit, landed and duty paid.

ORANGE PEEL.—Some supplies of thin cut are quoted at 1s. 2d. per lb., and bitter quarters at 55s. per cwt.

ORRIS ROOT.—Due to acute scarcity of good Florentine root, values on spot are firm at 75s. to 80s. per cwt.

PEPPER.—Market has been dull, and values are barely maintained: Lampong, in bond, 2½d.; March-May, 2½d.; June-August, 2½d., c.i.f. Tellicherry, spot, 4½d.; shipment, March-May, 36s., c.i.f. Aleppy, spot, 4½d.; shipment, March-May, 36s., c.i.f. White Muntok, 4½d., in bond; shipment, March-May, 4½d.; July-August, 4½d., c.i.f.

PIMENTO.—Market continues steady, with values at recent high levels: spot, 7½d. per lb.; shipment, March-April, 65s. per cwt., c.i.f.

RHUBARB.—Some sales on spot, mostly of rough round. Market continues firm at recent figures. No shipment offers except rough round. A few cases of small Shensi held firm at 4s. 9d. to 5s. High dried flat, 1s. 9d. to 2s., and in small supply. Rough round is firm at 1s. 6d. to 1s. 7½d. per lb. Requests for offers from the source brought quotations for rough round at 1s. 3d., c.i.f., in limited quantities.

RUBBER.—Fair business is recorded this week, and the market is keeping steady. Standard ribbed smoked sheet, spot, 7½d.; March, 7½d.; April, 7½d.; May, 7½d.; June, 7½d.; July-September, 7½d.; October-December, 7½d.; January-March, 7½d. per lb.

SAFFRON.—Quiet business on spot, with values about unchanged: spot, B.P., 180s. prime, 45s. 6d.; extra, 43s.; super, 40s. per lb., and less for bulk quantities.

SARSAPARILLA.—Some small business, market steady: spot, Jamaican grey, 1s. 3½d. to 1s. 4d.; native, mixed colours, 10½d. to 1s. per lb., as to quantity, spot.

SEEDS.—**ANISE.**—Spot, duty paid, Spanish, 65s.; Bulgarian due to arrive next week, 32s. 6d. quoted. **CANARY.**—Market inclined to be firmer: Mazagan, 35s. 6d.; Spanish, 46s. to 52s. 6d., all spot, duty paid. **CARAWAY.**—Dutch, 42s. and Morocco 32s. 6d., duty paid. **CORIANDER.**—Morocco, 24s. 6d., spot, duty paid. **CUMIN.**—Morocco, 48s., duty paid; 43s., in bond. Malta, quoted at 47s. 6d., spot. **FENUGREEK.**—Morocco, spot, 14s. 6d., duty paid; for shipment, 11s. 6d. quoted. **MUSTARD.**—English, 21s. to 32s. 6d. per cwt., according to quality.

SENEGA.—This market keeps steady at the recent improvement; business quiet: spot and shipment, 1s. 5d. per lb.

SENNA.—Business generally has been rather slower this week. Tinnevely offer on spot as follows: Picked bold, 8d.; No. 1, 6d.; No. 2, 4d.; No. 3, 3d. per lb. for prime green quality. Alexandrian: Fair inquiry for best bold hand-picked pods but supplies are limited and are being firmly held. Shipments just arrived are showing a decline in quality and it would appear that the best grade pods have already been shipped. Supplies on spot of lower grades, priced from 1s. 6d. to 3s. per lb are fairly plentiful.

SHELLAC.—Market is keeping steady, business rather quieter: spot, standard TN orange, 54s. 6d. to 59s. 6d.; fine orange, 70s. to 150s.; pure button, 70s. to 75s. per cwt., spot. For delivery, TN, March, 54s. 6d.; May, 55s. 6d.; August, 56s. 6d. For arrival, TN, April-May, 54s. per cwt., c.i.f.

SQUILL.—Rather more inquiry reported, with spot holders quoting good white from 45s. to 50s. per cwt., as to quantity.

TONKA BEANS.—Business of small account, market steady, supplies short: Para beans, spot, 3s. 9d.; shipment, 3s. 3d. per lb., c.i.f. Angostura, spot, 8s. 6d. per lb.

TRAGACANTH.—There has been a very fair demand for druggists' qualities, particularly for grades ranging from £20 to £24, whilst the No. 1 quality is firmly held for £29. Supplies of medium grades, ranging from £14 to £19, have been depleted. General textile grades have been quiet except in the case of red leaf, selling at 60s. to 85s. per cwt., ex store.

VALERIAN ROOT.—The demand is still of small account, with spot quoted at about 37s. 6d. per cwt. for small parcels.

WAX.—**BEES'.**—These markets have remained rather dull this week. Calcutta, bleached, spot, 135s.; afloat, 130s.; shipment, 122s. 6d., c.i.f. Abyssinian, spot, 120s.; in bond, 108s.; shipment, 106s., c.i.f. Benguella, spot, 120s.; shipment, 105s., c.i.f. Conakry, spot, 120s., nominal; shipment, 107s. per cwt., c.i.f. **CARNAUBA.**—

Moderate business, with prices tending slightly easier. Fatty grey, spot, 105s.; afloat, 159s.; shipment, March, 156s., c.i.f. Chalky grey, spot, 170s.; shipment, March, 158s., c.i.f. Primeira, spot, good quality, firm at 220s.; shipment, afloat, 205s. 6d.; March-April, 200s., 202s. 6d., c.i.f. Mediana, 205s.; shipment, 19s. 6d. per cwt. c.i.f.

Essential Oils, etc.

RATHER subdued markets, with business routine in character. Anise (Star) is again dearer and very scarce. Bergamot dull. Australian eucalyptus is firmer at the source. Sicilian lemon has been slack, and is not so firm. West African orange is sharply dearer, spot and forward. Japanese peppermint is about steady.

ALMOND.—Quiet market, values about steady: English made, cwt. lots, 2s. 3d.; smaller parcels, up to 2s. 7d. per lb.; foreign, cwt. lots, 2s. 2d.; smaller parcels, up to 2s. 6d. per lb. French, bitter, 6s. 3d. per lb.

ANISE (STAR).—Any available supplies on spot, chiefly confined to a few tins, are firmly held at the further advance. Still no shipment offers for this market, but it is reported that offers have been received at New York: spot, leads, 2s. 7d.; tins, 2s. 5d.; drums, nominal at 2s. 4d., none available.

BAV.—Average small spot business, market steady: 49 to 50 per cent., 4s. 7d. to 4s. 9d.; 59 to 60 per cent. 4s. 10d. to 5s. per lb., as to quantity.

BERGAMOT.—The spot market has been very slack this week, with hardly any inquiry about. Holders' ideas of values range from about 9s. 9d. to 10s. per lb., as to quantity and brand. There is no news about the Consortium from the source. Fairly cheap shipment offers are still being received in New York.

BOIS DE ROSE.—Market is steady but decidedly quiet: Brazilian, spot, 5s. to 5s. 4d., as to quantity; shipment, quantities, in drums, 4s. 10d. per lb.

CAJUPUT.—Remains very quiet: B.P., 1s. 9d. to 2s. 1d. per lb., as to quantity.

CANANGA.—As reported last week, shipment offers are easier and now in the region of 9s., c.i.f.: spot is dull and rather unsteady at about 10s. 3d. to 10s. 6d. per lb.

CARAWAY.—Some few inquiries on the market: Russian oil offering cheaply: Dutch rectified, 9s. 2d. to 9s. 3d.; crude, 8s. 9d. to 8s. 10d. per lb., landed and duty paid.

CASSIA.—Market has remained dull, with shipment offers about 3s. 1d., c.i.f.: spot oil of good quality, about 3s. 7½d. per lb.

CEDARWOOD.—A moderate business, with values keeping steady: American, in drums, 1s. 1½d.; smaller packings, up to 1s. 4½d. African, spot, 1s. 1½d., in drums; smaller packings, up to 1s. 4d. per lb.

CINNAMON LEAF.—There is not much spot business moving: Ceylon oil, in drums, 2s. 7½d.; smaller packings, up to 2s. 10½d.; shipment, about 2s. 5d. per lb., c.i.f., in drums.

CITRONELLA.—These products are neglected in this market; quoted at low values: Ceylon, spot, drums, about 1s.; smaller parcels, 1s. 1d. to 1s. 3½d.; shipment, drums, about 9d. per lb., c.i.f. Java, spot, drums, 1s. 2½d.; smaller parcels, 1s. 3d. to 1s. 6d.; shipment, drums, about 1s. 0½d. per lb., c.i.f.

CLOVE.—The Madagascar oil is nominal on spot owing to lack of supplies: Madagascar, spot, drums, 3s. 1½d., nominal; smaller packings, up to 3s. 6d. per lb.; shipment, 2s. 7d. per lb., c.i.f.

EUCALYPTUS.—Some nice business is reported in the Empire oil, and the market has advanced here and at the source, and it is reported that stocks at the source are much below normal: Australian, 70 to 75 per cent., 1s. 1½d. to 1s. 2d.; 80 to 85 per cent., 1s. 2½d. to 1s. 3d. per lb., landed; higher prices for small lots on spot. Spanish, 70 to 75 per cent., 1s. 2½d. per lb., ex store.

GERANIUM.—Inquiry for these oils has been unimportant, quoted about unchanged: Bourbon, spot, 21s. to 22s.; shipment, 20s. 9d., c.i.f. Algerian, spot, 21s. to 22s.; shipment, 20s. per lb., c.i.f.

GINGERGRASS.—This market keeps steady, but business is slow: spot, 5s. to 5s. 1½d.; shipment, about 4s. 6d. per lb., c.i.f.

GRAPE-FRUIT.—Some few inquiries, with quotations for small lots of Empire hand-pressed oil about 16s. to 16s. 6d. per lb.

HO (SHU).—Average spot business in limited quantities; quoted from 1s. 7d. to 2s. 1½d. per lb., as to quantity and quality.

JUNIPER BERRY.—Occasional inquiry, with good quality oil quoted at about 3s. per lb. Some offers are at lower figures.

LA VENDER.—The amount of business passing is of small account; quotations vary and depend on the quality of the oil: 50 to 52 per cent., 29s. 6d.; 48 to 50 per cent., 27s.; 40 to 42 per cent., 22s.; 38 to 40 per cent., about 20s.; 36 to 38 per cent., 18s. per lb., landed, for good brands. Lavandin is quoted 11s. to 12s. 6d. per lb.

LEMON.—There has been no revival of interest in this product, the market having experienced another dull week: spot holders of Sicilian hand-pressed oil make the value anything from 9s. 6d. to 10s., as to brand, quantity and holder. Offers from the source for shipment to New York continue at recent cheap figures. There has been no further revision of prices for the Californian oil. Some limited stocks are now reported available, but the demand is of small account: spot, cold-pressed, 4s. 2d.; distilled, regular quality, in small drums, 3s. 4d. per lb. No large drums available, nominal at 3s. 3½d. per lb.

LEMONGRASS.—The shipment market has been dull, with offers at about 1s. 10½d., c.i.f.: spot values are in the region of 2s. 2d. per lb.

MANDARIN.—Extreme scarcity of supplies is reported on spot, and any little lots available would be worth about 30s. per lb.

NEROLI.—Spot quotations show no change from 14s. to 18s. 6d. per oz., as to quality and quantity. Business slow.

NUTMEG.—Market is fairly steady, limited inquiry: American, 5s. 1d. to 5s. 3d., ex store, and about 4s. 4½d. per lb., c.i.f. Dutch oil, for shipment, about 5s. 7½d., c.i.f. English-made oil ranges from 5s. 10d. to 6s. 6d. per lb., as to source.

ORANGE.—The Sicilian product continues nominal on this market: Californian oil has sold fairly well with prices unchanged: spot, one case, 3s. 4½d.; two or more cases, 3s. 2d.; small drums, 3s. 1d. per lb. Interest is centred in the position of the French Guinea oil. A fair quantity has been landed, and further arrivals are shortly due, but most of this oil is against contract. There has been a steady inquiry on spot, and, partly owing to lack of supplies available here at the moment and on account of reports of stronger shipment conditions, the price asked for any drums of new crop available is now up to as much as 3s. 4½d. to 3s. 6d. per lb. While there is no reason for assuming that the volume of seasonal business booked for shipment to this and Continental markets has been substantially less than usual, except in the case of Italy, there seems to be a temporary shortage of spot supplies, and the market is naturally tightening up. A report that there is a shortage of oil at the source is given for what it is worth, and might be accepted with reserve in view of the fact that at the beginning of the season first-hand news was to the effect that there was an unusually heavy crop of first-class oil. From a source which is looked upon as reliable we are advised that producers have sold most of their season's output, and it is now held by speculators on the coast and that, actually, there is anything but a shortage. This active buying at the source, due to some extent to the recent unsteadiness of the franc, naturally had the effect of firming up prices and, it seems, the present holders of the oil are now trying to effect further appreciations in value. The position is not by any means a sound one, with the possibility of the market breaking suddenly and rather drastically. The latest shipment offers, which are rather restricted in quantities, are up to 2s. 8½d. to 2s. 9d. per lb., c.i.f.

PALMAROSA.—Business is still of small importance: spot, in the region of 5s. 9d. per lb.; shipment, dull and unsteady at about 5s. 7d. per lb., c.i.f.

PATCHOULI.—Some limited spot supplies of Singapore oil are available on spot at about 17s. 6d. The Seychelles oil continues very short and any available might be had at about 12s. 6d. per lb. Rumours of considerably cheaper shipment offers of Singapore oil are not confirmed.

PEPPERMINT.—A fair amount of spot business is recorded this week, with prices for the Japanese oil at 5s. 10d. to 5s. 11d. per lb. The Continent has been interested in afloat parcels, with buyers at 5s. 8d. and sellers at 5s. 10d., c.i.f. There are re-sellers of January-March at 5s. 9d., c.i.f., and buyers of July-August at 5s. 9d., c.i.f. Orders

sent to Japan based on 5s. 7½d. for March shipment rejected and countered with offers of 6s. to 6s. 3d. per lb., c.i.f. The American natural oil continues steady, with not much doing in this market. Quoted at about 2 dollars 5 cents for 50 per cent. menthol oil and about 1 dollar 95 cents for 46 per cent. menthol content, in drums, c.i.f.

PETITGRAIN.—A little more inquiry, market steady: spot, 3s. 10½d. to 4s.; shipment, 3s. 5d. per lb., c.i.f.

ROSEMARY.—Modest business on spot, with good quality quoted up to 2s. 3d. per lb. Oils of inferior quality range down to about 1s. 9d. per lb.

SANDALWOOD.—Genuine East Indian Mysore, 10s. per lb., in one-case lots on spot; market is rather unsteady, with cheaper offers in some quarters, particularly for good quantities. English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity. English-made West Indian, cwt. lots, 6s. 9d.; 56 lb., 6s. 10½d.; 14 lb., 7s. per lb. Australian, case lots, 15s. 3d. per lb.

SASSAFRAS.—Occasional inquiry, with natural oil quoted from 3s. 7d. to 3s. 10d. per lb., as to quantity. Artificial oils at cheaper figures.

SPIKE.—Very little business of importance, and prices quoted vary as to quality of Spanish oil from 3s. 6d. to 4s. per lb., and, in one instance, 4s. 3d. is asked for a very fine quality oil.

VETIVER.—Inquiry for Bourbon on spot is slow, quoted at about 38s. 6d.; shipment, about 30s. 6d. per lb., c.i.f.

WORMSEED.—Not much inquiry about: on spot, U.S.P. quality oil about 9s., and for shipment, about 8s. 8d., c.i.f.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary and Year-Book," 1936, p. 322.

(From "The Trade Marks Journal," March 3, 1936.)

- "ALFA"; for chemical substances, excluding soap (2). By "Alfa," Tovarna Lucebnich a Kosmetickych Pripravku Josef Vesely, 26-30 Ugartova Brno-Kralovo, Pole, Czechoslovakia. 561,720.
 - "SOLVITAN"; for veterinary fresh oils and by-products (2). By British Cod Liver Oil Producers (Hull), Ltd., St. Andrew's Dock, Hull. 565,223. (Associated.)
 - "PLASTADOR"; for deodoriser (2) and for perfumery, etc. (48). By W. J. Bush & Co., Ltd., 28 Ash Grove, London, E.8. 565,806/807. (Associated.)
 - "CARAPHYLL"; for chemicals (2). "MEDOPHYLL"; for medicinal chemicals (3). By R. F. Ratcliff & Co., Goodall, "R. G. Foods" Co., Record Works, Tutbury, Burton-on-Trent, Staffs. 565,971/972.
 - "QUINACRINE"; for medicinal chemicals (3). By Société des Usines Chimiques Rhone-Poulenc, 21 rue Jean-Goujon, Paris (VIIIe). 551,133.
 - "CERECLO"; for medicinal chemicals, excluding those for treatment of vomiting (3). By Imperial Chemical Industries, Ltd., Millbank, London, S.W.1. 560,444. (Associated.)
 - "ZOE CAILLARD" (signature); for medicinal chemicals (3). By Phyllis E. Ryan, 7 West Halkin Street, London, S.W.1. 562,255.
 - "TANNEX"; for medicinal chemicals (3). By Allen & Hanburys, Ltd., Plough Court, London, E.C.3. 566,027.
 - "PURISEM"; for medicated herbs for constipation (3). By J. D. Boorman, 46A Jeury Street, Winchester, Hants. 566,103.
 - "MARSULINE"; for medicinal chemicals (3). An Ancienne Maison Louis Sanders, S.A., 47 to 51 rue Henri Wafelaerts, Brussels. 566,119.
 - "MYOPLET"; for lenses (8). By G. H. Wingate, 47 Hollycroft Avenue, London, N.W.3. 565,860.
 - "SIXTUS"; for scientific instruments, etc. (8). By E. Jacobsen, Kopenickerstr. 71, Berlin, S.O.16. 566,007.
 - "SURQUAL"; for surgical instruments, etc., excluding knitted elastic fabric (11). By Surgical Equipment, Ltd., Westfields Road, London, W.3. 564,544.
- Design of three cheques with letters "D" and "K" (these letters and word "Oral.e.s." disclaimed); for perfumery, etc. (48). By A. M. Hogarth, 143 Golders Green Road, London, N.W.11. 565,660. (Associated.)
- "VASSOLA"; for toilet preparations for the hair (48). By J. C. & J. Field, Ltd., 15 Upper Marsh, London, S.E.1. 565,042.
 - "CORYSE SALOME"; for perfumery, etc., excluding soap (48). By M. Blanchet Parfums de Luxe, S.A., 21 rue Pierre Dupont, Suresnes, Seine, France. 562,153.
 - "DEILAH"; for all goods (48). By Bowmans (Warrington), Ltd., Gorsey Lane, Widnes, Lancs. 566,128.

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Chemists' Friends Scheme

SIR,—Having followed with interest the correspondence in your columns on the C.F. scheme, I have been astonished that, relatively, so few pharmacists appear to realise its futility. Still more have I been astonished at the restraint (possibly due to friendly courtesy towards what should be a sister organisation) shown by the P.A.T.A. and P.A.G.B. I have now seen the pronouncements issued by these two associations, and am left wondering why they have not seen fit to take earlier action. I fully agree with your correspondent "Pharmacist" (3/3). What we, as a body, seem to forget is that what we are pleased to call our "rights" exist only in our imaginations. As pharmacists, certain duties connected with the dispensing of medical prescriptions and the retailing of certain poisonous substances have been delegated to us because the State holds that it is expedient, for the safety and convenience of the public in general, that these functions should be performed by persons who have undergone a certain prescribed training. The pharmacy and poisons laws do not exist for the benefit of pharmacists but for that of the public; and while I am as keen as anyone on the abstract principle of professional status, the fact has to be faced that our professional work alone will not even pay the rent. To make ends meet, we have overlapped into the trades of grocer, draper, hairdresser, wine merchant, cutler—in fact, become publicans and sinners, chiefly the latter. Being, as we are, 80 per cent. tradesmen, handsover, in the main, of packed goods, we look to the makers to create sales by national advertising, to create customers for us, and then want to restrict their output of what, to all intents and purposes, are groceries, to our small closed corporation. Surely a sad admission of insufficiency and inefficiency. Like "Pharmacist," I can remember the pre-P.A.T.A. days, and yet this Association, which has conferred such solid benefits on retail pharmacy, which is mostly financed by the manufacturers and wholesalers, and whose legal right to open trading outside the specific restrictions of the pharmacy laws cannot be equitably disputed, is being directly challenged by this will-o'-the-wisp C.F. scheme. Are we so inept that we must be spoon-fed? With a little less high-falutin' dreaming of professionalism, and a lot more application of real businesslike methods, we should not want artificial trade restrictions and subsidies to make of pharmacy a virile, worth-while career.

Yours faithfully,

GALENICAL (18/3).

SIR,—Whatever the outcome may be of the controversy between the P.A.T.A. and N.P.U., one significant fact stands out in the N.P.U. circular (U.L. 330) of March 3. Therein it is clearly stated that thirty-three of the thirty-six members of the P.A.T.A. Council attended the special meeting which decided to issue the now famous P.A.T.A. statement regarding the C.F. scheme. Of these, eleven were retail chemists, the remaining twenty-two being manufacturers and wholesalers. The seventeen members who voted included all eleven retailers and, by deduction, only six manufacturers and wholesalers. The remaining sixteen members, all manufacturers or wholesalers, abstained from voting. Finally, eight of the retailers voted in favour of issuing the statement, three against. In other words a majority of almost three to one retailers voted in favour of the statement! My interpretation of the facts is that the majority of the manufacturers and wholesalers—sixteen out of the twenty-two present—took the view that the issue was one for retailers to decide for themselves and that they therefore stood aside. In this particular case, therefore, Mr. Mallinson's statement that "on any vote (taken by the P.A.T.A. Council) the interests of retail chemists may be subordinated or viewed only from the angle of the manufacturers and wholesalers" does not apply. Had the retailers stuck together and all voted against the P.A.T.A. statement, the latter, presumably, would not have been issued. In fact one might almost say that retailers issued the statement.

Yours faithfully,

ONLOOKER (17/3).

SIR,—The only tangible results of the recent "Poisons" Act have been:—(1) Compulsory society membership. (2) Permission to deal in poisonous substances, provided they are "packed," by all and sundry. The Council of the Pharmaceutical Society seem to have swallowed the second because of the palatability of the first, with the result that the craft is foredoomed to suffer a new and intensified competition while the Society enjoys freedom from all monetary anxiety. Far better, to my mind, had our leaders thrown in their hand and resigned, letting Whitehall make what order it could out of the resulting chaos; we certainly should not have been any worse off than we are now, and probably good would have ensued from such a drastic step. This leads me to the latest of our internal troubles, the little dispute between the C.F. enthusiasts and the P.A.T.A. The Legislature, in its wisdom, has now definitely decided that no harm will befall the public if untrained and therefore unskilled persons are allowed to hand on the packed poisons to the public; how much more (thus will the manufacturers argue) shall they be allowed to sell non-poisonous proprietaries?—Yours truly,

CYNICUS (17/3).

Council Election

SIR,—Your editorial article entitled "Forthcoming Council Election" [*C. & D.*, March 7, p. 279] is opportune and should stimulate interest in that vital and far-reaching decision as to who shall control our destiny. We in Harrow are represented by a very able and virile pharmacist. At that fateful meeting of delegates held at the Holborn Restaurant in January 1931, called to discuss the Pharmacy and Poisons Bill, it was Mr. J. F. McNeal, our delegate, who had the courage of his convictions and moved that memorable resolution for the total rejection of the Bill, unless it provided adequate protection for the practise of pharmacy. Later on, after the Society had accepted the provisions of the Bill, he fought for amendments, among which stands out the following: "Insert, 'but no licence shall be granted to a person where facilities are already provided by an authorised seller of poisons.'" Here then is no question of "lip service," but a cool, direct action designed to protect our interests. Mr. McNeal can claim to be an old and tried chemists' friend. We in the Harrow Branch believe that in Mr. McNeal we have a candidate whose record and service to pharmacists makes him the most virile candidate for the Council. We suggest such forethought for our welfare should rank high in pharmacy and is deserving of the fullest support, so that this work may be continued. Mr. McNeal not only supports the Chemists' Friends scheme, but is loyally carrying out its provisions. He is a private pharmacy proprietor, practising pharmacy in the manner for which the Society was formed. The present system of election makes it difficult for the average pharmacist to accept nomination, owing to the expense involved; we have therefore decided to create an election fund to assist Mr. McNeal. We appeal to retail pharmacists to help us in securing the election of Mr. J. F. McNeal, by sending to Mr. J. E. Watts, chairman of the Harrow Election Committee, a 1s. donation to the election fund, at 51 Shenley Avenue, Ruislip, Middlesex. We in Harrow submit to retail chemists a candidate in whom we have the fullest confidence, and who was unanimously adopted as a candidate by the annual meeting of the Harrow and District Branch of the Society. A real live candidate is worth such help.

Yours faithfully,

J. E. WATTS,

Chairman, Harrow and District
Branch Election Committee.

Inspection of Proprietaries

SIR,—The policy outlined by Mr. J. E. Crowe, the Pharmacy League's candidate for the next Council election, as reported in your issue of February 29, includes several suggestions that are of interest to the pharmacist who is jealous of his reputation. One of the most important is that new proprietaries, before being put on the market, should be inspected, presumably by a body of pharmacists appointed for the purpose, to

determine whether they are suitable for distribution by the trade. For long chemists have allowed themselves to be used as channels for the distribution of all kinds of products, some of them of doubtful utility. Discrimination is now more than ever necessary. A man is known by his friends; and when so many manufacturers are pressing round us, protesting friendship, it is well to look into their credentials. The question "Does this preparation show a reasonable margin of profit?" is not the only nor even the main consideration. The very fact that its sale is confined to chemists makes other questions relevant. Does it, for example, adequately fulfil the purpose for which it is recommended? Does it contain an ingredient that might possibly be injurious to a person bent on uncontrolled self-medication? Are the claims made for it exaggerated? Is the advertising of such a nature that I may unreservedly back it up with my recommendation? The other day a traveller, whose firm markets a proprietary, called with a selection of show material, which he asked me to display. I declined to show a certain card, and asked the traveller if he did not consider that the statement was (to put it mildly) somewhat too emphatic. He agreed that it was, but that nothing short of over-statement would influence the public. My retort was that a claim so preposterous would influence the public to keep away from my pharmacy. Do chemists always realise that by stocking and showing an article they set on it the seal of their approval? The majority of our customers are not able to form an opinion on the merits of advertised remedies; they rely on our judgment. It is a grave responsibility. Even among "C.F." goods there are some that are not worthy of support. It would be a calamity if some of the chemist's new friends were to bring him into disrepute.

Yours faithfully,

DISCRIMINATE (9/3).

Dispensers in the Territorial R.A.M.C.

SIR,—It is, perhaps, not generally known that a few vacancies exist in the Territorial Royal Army Medical Corps for qualified dispensers, and I should like to draw the attention of any who may be interested to the conditions of entry, service, pay, etc. Any man who possesses a recognised civil qualification (and the qualifications recognised in the Army Regulations are: "Certificate as assistant to an Apothecary of the Society of Apothecaries of either London or Dublin") is eligible for enlistment and promotion to Dispenser Sergeant in twelve months. He must, of course, be physically fit for active service and be under the age of forty-one on enlistment. During the first year he will be required to attend forty-two drills (or lectures) of an hour's duration each, and attend annual training for at least eight days, the full period of annual training being fourteen days. After the first year it is only necessary to attend ten drills or lectures and attend annual training. Annual training is carried out either in camp in some suitable locality, e.g., the Isle of Man, or at a regular Army military hospital, e.g., Aldershot. It is usually camp and hospital alternate years. During annual training the rate of pay for a Dispenser Sergeant is 8s. 3d. per day, with, of course, free quarters and rations: in other words, a fortnight's free holiday plus 8s. 3d. per day. Annual training takes place during Whit week and the following week. Under special circumstances a qualified dispenser can be promoted to a Sergeant immediately on joining, and without waiting the twelve months mentioned above. Any qualified dispenser who resides within reasonable distance of Manchester, and who is interested, is requested to communicate with me, in writing, at the address given.—Yours, etc.,

JAMES O'GRADY,
Lt.-Colonel, R.A.M.C. (T.)
Officer Commanding No. 12
(2nd Western) General
Hospital.

Stoneacre, Swinton, Manchester.

Do Branches Pay?

SIR,—In addition to discussing "The One-Man Pharmacy" (C. & D., February 29, p. 265) it might be worth while considering the one-shop pharmacist. The writer of the letter signed "One Man Show" states that sometimes branches are relinquished to cut losses. There are many pharmacists who have found that a branch is not always a helpful adjunct. The usual idea of a chemist who opens a branch is that it will enable him to buy in larger quantities and so obtain better discounts; this is to a certain extent true, but it also means increased work in supplying goods to the branch and

in keeping extra accounts. For the pharmacist with one shop and only one assistant or apprentice I consider that a branch is not a feasible proposition, because it means time taken up which he cannot afford to spare from the main business. If the branch is a small one, as it usually is, the gross profit is just about enough to pay the salary of the manager and expenses; in the long run this is not worth the extra trouble and work involved, while the attention of the chemist himself is torn between the two shops. It will be said that there are pharmacists who run successful branches, or sometimes a small chain of shops. That is so, but I have noticed, speaking generally, that the chemist who does so is one who has a fairly well-established business, one with two or three assistants and a qualified senior who can be left in charge, so that the proprietor can be free of the routine duties of the main premises. A point to be considered is the personal element. A chemist who has built up his business on personality is expected by his customers to be present, and if he leaves his shop too often in charge of an assistant he is likely to lose some of his connexion. Some men who have been successful in opening branches have given their managers an interest in them. The conclusion I have arrived at after many years in business is that to run branches successfully one must not be tied to one's own counter; the branches should not be of the £20 a week type unless they are obviously capable of early increase. I would advise any one-man proprietor to put all his energy into his own shop and not to worry about opening a branch, for worry is about all he will get out of it.—Faithfully yours,

DICHOTOMOUS (2/3).

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

Strange Directions

A subscriber (N. H. D., 6/3) sends us the following remarkable effort on the part of a prescriber:—

Pot. iodid.	...	...	...	...	5j.
Tr. digitalis	...	...	...	...	5ij.
Aq.	...	...	...	...	ad 5vj.

Sig.: Don't forget your bag.

We have not been told what the dispenser wrote on the label.

Appreciation

"The Chemist and Druggist Poisons Guide" . . . is a twenty-four-page booklet and cover with spiral wire binding, which allows it to open flat on the desk. The inside of the cover contains a key and guide in simple form . . . for reference to the extended list, which includes several thousand names, with numbers and lettering indicating where to find the scheduling. Finally, there are seven pages of glossary of terms used throughout the Act and poisons lists and schedules. It is certainly the best booklet so far published, and the price is only 3s. 6d.—"The Script."

Speed in the Dispensary

The outbreak of influenza in Russia may mean that the chemists of Great Britain and Ireland will presently be working overtime in their dispensaries, because epidemics originating in eastern Europe usually spread westwards. The following aids to speed and accuracy in dispensing abnormal numbers of N.H.I. prescriptions have been found useful in previous epidemics. Suitable supplies of preparations such as lin. album, lot. calamin. oleos. and ung. sedativ., which take time and trouble in the making, should be prepared each morning. In order that there may be no confusion in handing out the finished medicaments a look-out should be kept for duplicated names, and the wrapped bottles or other containers marked distinctively. When there is more than one item for any particular patient, and it is not convenient to wrap them in one parcel, a number inserted after the patient's name will prevent any of them being overlooked. For instance, "Mr. John Smith (III)" would indicate that there are three packages for that patient. Boxes of convenient size may be kept for the prescriptions of prescribers whose names recur most frequently.—No Mistakes (2/3).

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

L. & W. (17/38).—WORMS IN DOGS.—The following are formulas for mixtures containing chenopodium oil:—

For Puppies up to Eight Weeks Old

Ol. chenopodii ...	...	...	...	...	℥ss.
Ol. terebinth. ...	...	...	...	...	℥ss.
Ol. anisi ...	...	...	...	...	℥ss.
Spt. æth. nit. ...	...	...	...	...	℥ss.
Ol. ricini ...	...	...	...	...	℥vss.
Ol. olivæ ...	...	...	...	...	℥vss.

For a large or medium-sized puppy under six weeks give $\frac{1}{2}$ drachm in an equal amount of milk; at the sixth or eighth week give 1 drachm; over eight weeks give 1 drachm, to be repeated in an hour. If the bowels do not act in an hour or so, give 1 drachm of castor oil in a little milk. If no worms are passed, repeat the treatment after an interval of two days. In the case of very small breeds of dogs, a quarter of the above doses should be given.

For Adult Dogs

Ol. chenopodii ...	...	...	...	...	℥j.
Ol. terebinth. ...	...	...	...	...	℥j.
Chloroformi ...	...	...	...	...	℥ij.
Ol. ricini ...	...	...	...	...	℥xiv.

Give from $\frac{1}{2}$ drachm to 2 drachms in an equal amount of castor oil.

C. E. G. (24/24).—ALBUMINURIA.—It would appear that albumin may be found in the urine after an overdose of any phenol or mixture of phenols. In the latest edition of Taylor's "Medical Jurisprudence" (1934) the official dose is given with the warning "cautiously increased."

R. S. (17/38).—METAL POLISH.—There are a large number of recipes for metal cleaning preparations in "Pharmaceutical Formulas," Vol. II, and the following is one for the modern type:—

(a) Tripoli or diatomite ...	...	...	...	16
Colloidal clay ...	...	...	...	10
Trihydroxyethylamine hydrate ...	...	...	...	2
Water ...	...	...	...	260
(b) Pine oil ...	...	...	...	4
Oleic acid ...	...	...	...	4
Naphtha or equivalent ...	...	...	...	120

Add (b) to (a), stir well, and then add 12 parts of dilute solution of ammonia and stir well. If properly prepared this polish will not separate.

H. S. R. (3/28).—DEVELOPING NEGLECTED BUSINESS.—You do not say where your business is situated nor the type, but if possible you should endeavour to develop the horticultural and veterinary side. In most districts there is also scope for sales of household goods, such as baking powder, spices, furniture polishes, photographic apparatus and such sundries as thermometers, first-aid sets and inexpensive manicure requisites.

A. C. (16/38).—BOOKBINDERS' GUM.—The following formula for a dextrin preparation is stated to possess "extraordinary adhesive properties and dries very rapidly":—

Borax, powdered ...	...	...	...	60 parts
Dextrin, light yellow ...	...	...	...	480 parts
Glucose ...	...	...	...	50 parts
Water ...	...	...	...	420 parts

By the aid of heat, dissolve the borax in the water and add the dextrin and glucose. Continue the heat, but do not let the mixture boil, and stir constantly until a homogeneous solution is obtained, from time to time renewing the water lost by evaporation with hot water. Finally, bring up to full weight (1,000 parts) by the addition of hot water, then strain through flannel. Prepared in this manner the paste remains bright and clear for a long time. If care is not taken to keep the cooking temperature below the boiling point of water, the paste is apt to become brown and to be very brittle on drying. There are a large number of formulas for dextrin pastes in "Pharmaceutical Formulas," Vol. II.

P. & L. (24/28).—PRESCRIPTION CHARGE.—If there is no reason to doubt the doctor's statement, the charge would be 3s. 1d., which, according to the *C. & D.* costing system, would be arrived at in the following manner:—

Elixir, 3 oz. ...	...	...	...	d.
Container ...	...	...	...	27·0
Oncost ...	...	...	...	2·0
	...	...	...	8·0
				37·0

Unless you can be quite certain that the remainder of the elixir capbedrin iodinata is likely to be used up within a reasonable time the dispensing charge should be 12s.

D. D. (2/38).—HAIR WAVING SOLUTIONS.—A representative formula for a permanent waving lotion is as follows:—

Potassium carbonate ...	...	...	...	1½ oz.
Borax ...	...	...	...	1 dr.
Distilled water ...	...	...	...	20 oz.
Colour ...	...	...	...	as required

Setting lotions are generally weak solutions of permanent waving lotions, alternatives to the alkaline solutions being those containing acacia, agar, gelatin, tragacanth and spirit. A formula for a spirit lotion is as follows:—

Tincture of benzoin ...	...	...	...	1 oz.
Glycerin ...	...	...	...	2 dr.
Industrial spirit ...	...	...	...	20 oz.
Water ...	...	...	...	7 oz.

II. L. (2/38).—The following are the formulas for which you ask:—

Nerve Tonic

Quinina sulph. ...	...	...	...	℥ij.
Acid. hydrobrom. dil. ...	...	...	...	℥j.
Ammonii bromidi ...	...	...	...	℥ss.
Tr. gelsemii ...	...	...	...	℥ss.
Tr. cardam. co. ...	...	...	...	℥ss.
Glycerini ...	...	...	...	℥iv.
Aq. ...	...	...	...	ad ℥xxxij.

Dose: One tablespoonful in water every four to six hours.

Pain-killing Liniment

Pulv. piper. nig.,	...	...	...	aa. ℥j.
Pulv. capsici ...	...	...	...	aa. ℥j.
Sapo. dur.,	...	...	...	aa. ℥ij.
Camphor. ...	...	...	...	aa. ℥ij.
Ol. rosmar.,	...	...	...	...
Ol. lavand.,	...	...	...	...
Ol. caryoph. ...	...	...	...	aa. ℥xxv.
Liq. ammon. ...	...	...	...	℥ij.
Alcohol (90 per cent.) ...	...	...	...	ad ℥x.

The solids are macerated with alcohol ℥viss. for eight days, expressed, the other ingredients added and made up to volume with alcohol.

Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," March 20, 1886

Saccharin

At a meeting of the Manchester section of the Society of Chemical Industry . . . Mr. Ivan Levinstein read a paper on this singular substance, discovered by Mr. C. Fahlberg, a German chemist residing in the United States. . . . Saccharin forms salts, all of which possess a powerfully sweet taste. It is about 230 times sweeter than the best cane or beetroot sugar. The use of saccharin will be not merely as a probable substitute for sugar, but it may even be applied to medicinal purposes where sugar is not permissible. . . . There is a probability that saccharin will be useful in pharmacy; many patients complain of the unpleasantly viscous nature of syrups—an unpleasantness which saccharin will not convey. Mr. Levinstein indicated probable uses for it in the specimens which he showed. . . .

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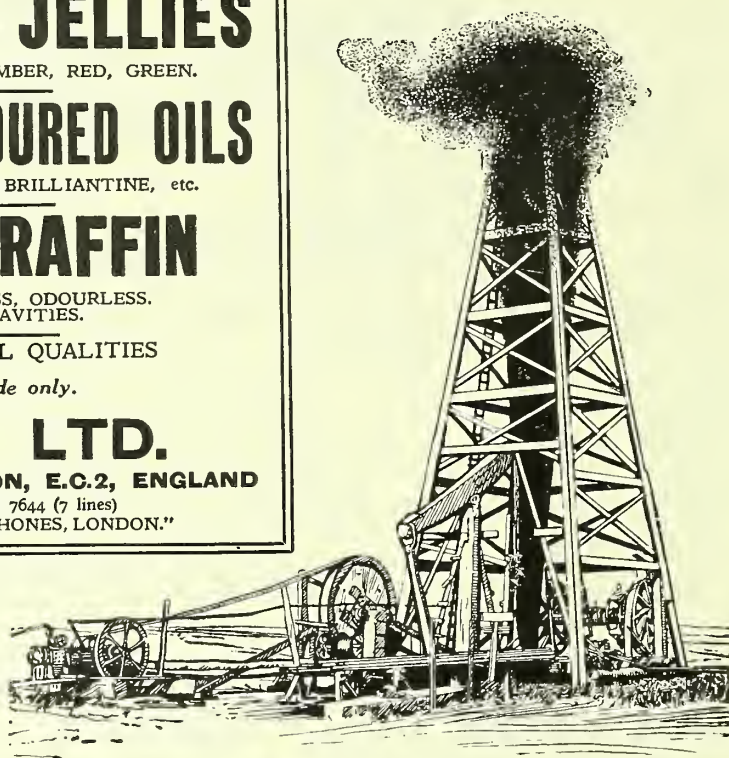
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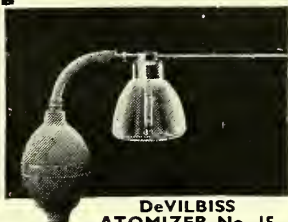
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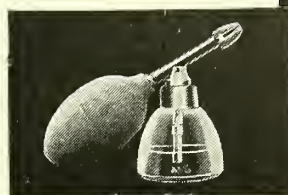
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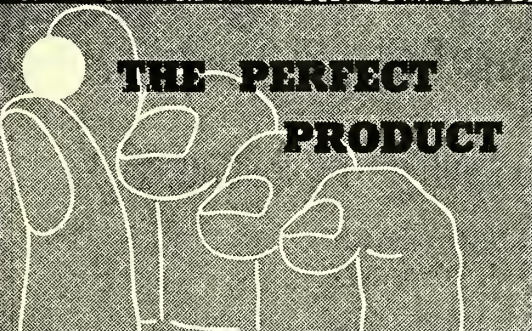
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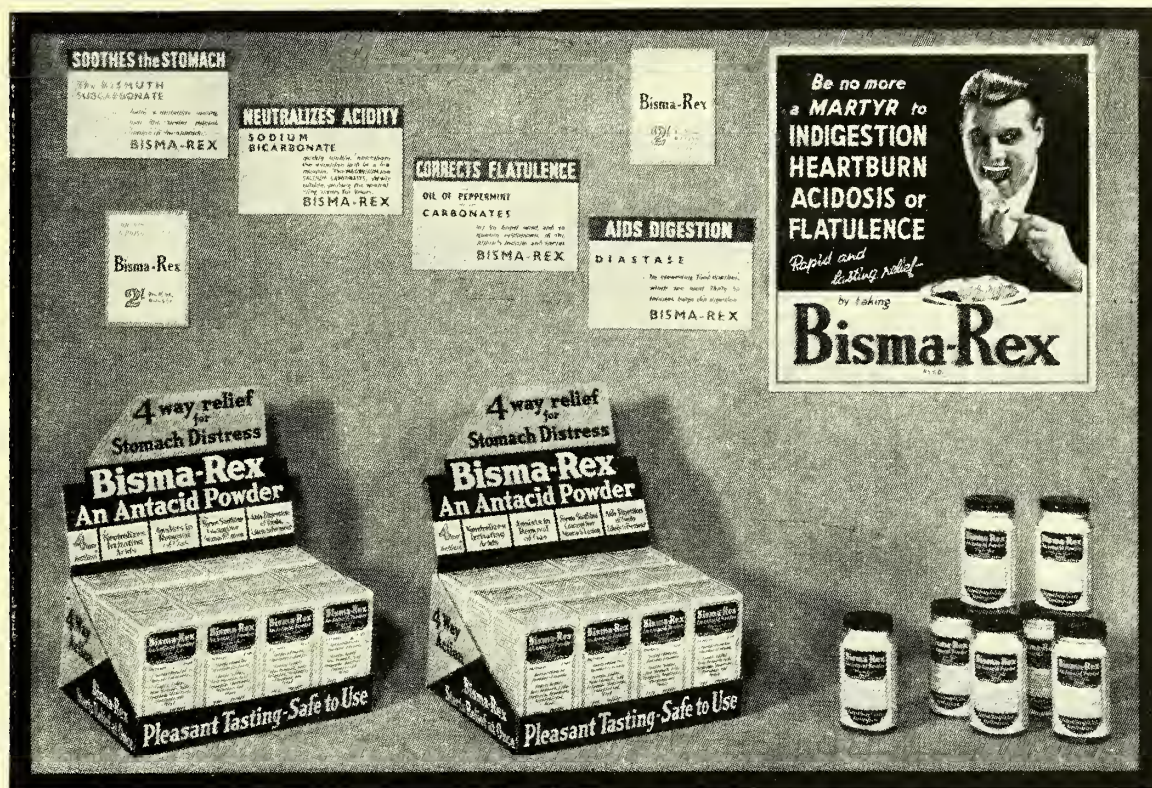
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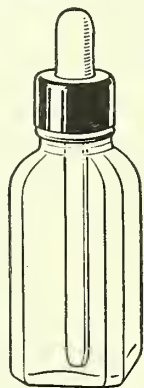
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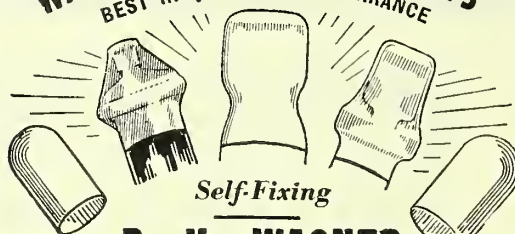
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Tonic and Condition Powders

1/3 Packet of 24 Powders Replaced by New

1! PACKET OF 21 POWDERS

Such an offer of better value to the Public is certain to create an increased demand for a line which is already highly popular. The new size shows an excellent profit at 8/- per dozen, while orders of 1 dozen or more, or any quantity included in a £2 parcel, are charged at 7/6 per dozen.

The New 1/- price will not be incorporated in our Advertising until the new pack is in full circulation. Old stocks of 1/3 size, however, will be replaced by the new 1/- pack, in proportion, if returned direct to us.

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Specially Prepared for

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Hitherto the small strength Sherley's Tonic and Condition Powders have been recommended for Cats. Now, however, a special new pack for Cats only has been produced with the name "Sherley's Cat Condition Powders" and is certain to be popular among Cat lovers.

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Virus for Mice only .. single tube, 1/6 ..	9/- ..
3 tubes, 3/- ..	

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Danzysz Virus in Liquid Form

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" 4/6	3/9 ..

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Discount off Retail Prices 25% Monthly Account, or 33 1/3% Cash with Order.

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For destroying Blackbeetles, Cockroaches, Crickets, &c.

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In cartons 9d. each	6/9 per doz.
1/6 "	13/6 ..
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Danzo Beetle Powder will not deteriorate by keeping.

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A line worth pushing.

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6d. Size
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The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

MARCH 21,
1936

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3.—NORTH LONDON (MAIN ROAD).—Good Medium-class Cash Retail Business situate in good position; returns about £1,700 for last completed financial year under management; stock worth £350; attractive fixtures; price all at £600; possibly part-payment terms would be entertained; living accommodation over.

4.—LONDON, S.W.1.—Old-established Family Retail Business for immediate sale at low figure; returns exceed £1,500 per annum; lock-up shop; rent £95, rising to £100 inclusive of rates; stock and fixtures worth about £600; price required for goodwill about £150.

5.—LONDON, N.W. SUBURBAN.—Main Road Cash Retail Business offering scope for increase; returns under management about £1,200 per annum, including N.H.I.; double-fronted shop; stock and fixtures worth between £450 and £500, which sum will be accepted for an early sale; worth attention.

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10.—HARROW (NEAR).—Good Middle-class Retail and Dispensing Business in growing district; main road position; returns increasing, at present about £40 per week under management; very nice shop with house over; stock worth about £650; terms, valuation of stock and fixtures and an equitable figure for goodwill.

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12.—SOUTHAMPTON.—Neglected Business at present returning about £16 per week; lock-up shop; net rent £68 per annum; held on lease; price about £400 or near offer; further details on application.

13.—ESSEX.—Attractive Main Road Shop; well established; returns approach £2,800 per annum; good profits; Chartered Accountant's figures; stock and fixtures worth about £1,150; new lease will be granted; valuation terms entertained; suitable to Chemist with knowledge of Optics.

14.—SHROPSHIRE.—High-class Retail Business; well established; returns exceed £2,000 per annum at good prices; commanding position; long lease; stock worth about £900; valuation terms entertained or reasonable lump sum offers.

15.—LEEDS (NEAR).—Well-established Business with increasing turnover; 1935 exceeded £1,300 with net profit £340; main road position; low rent; long lease; price about £750; stock and fixtures worth about £500.

16.—BEDFORDSHIRE.—Good-class Business; returns under management exceeded £1,500 last year; main road position; rent £78; stock and fixtures worth about £750; valuation terms entertained.

17.—KENT.—Old-established Business with steady returns, 1935 being £1,441; good profits; main road position; good living accommodation; cultivated garden; new lease at £90; price £650 all at.

18.—HASTINGS (NEAR).—Old-established Business; returns last year £750; gross profit £250 and net profit £170; large shop, magnificently fitted; rent £90; price £350, which is approximately the value of stock and fixtures.

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(C5) GLOUCESTERSHIRE.—Old-established high-class dispensing business, with excellent scope for further increase; present returns, under management, upwards of £2,000 per annum; reasonable rental; living accommodation; price £1,300 all-at.

(C6) BERKSHIRE.—Family and dispensing business, occupying corner position; self-contained house above, with three bedrooms, garden, garage, etc.; turnover for last financial year, £1,094; genuine scope for further increase; rent £100; lease 14 years; price £550, including stock £250.

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6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BLACKPOOL.—Main-road Corner Pharmacy; growing district; trade increasing; last year's returns over £1,000; plenty of scope for increase; excellent living accommodation; rent £90 per annum; stock and fixtures value £450; nearest offer. 183/3, Office of this Paper.

ESSEX (20 miles London).—Unopposed Middle-class Business; main road; midst residential; established 7 years; Kodak, Selo, N.H.I.; average returns last 3 years £1,250, chartered accountant's figures; rent £70, £75, £80; 21 years' lease; rates £22; mahogany fittings; good saleable stock; house good state repair; garden, garage, electric light, main drainage; trial allowed; no agents; genuine concern; price £750. 182/11, Office of this Paper.

LONDON, S.E.—Photographic Drug Stores; good working-class district; big possible N.H.I.; long lease; low rent; has been under indifferent Unqualified management. This is a genuine opportunity for a young Pharmacist; takings about £600 per annum; price £175 all at. Apply to Paines, 205 Southwark Bridge Road, S.E.1.

LONDON, S.W.—For immediate disposal, Double-fronted, beautifully fitted Drug Store in main road; 20 years' lease at £85 p.a.; growing district; exceptional opportunity for Chemist; rear fitted Ladies' Hairdressing; profitable sideline; could be let off to pay rent; price £50, stock and fixtures at valuation. 183/12, Office of this Paper.

SUSSEX SEASIDE RESORT.—Old-established Business, 44 years, present hands 15 years; well fitted, good stock; main shopping district; Kodak and Ucal Agencies; lock-up shop; rent £90, rates about £20; price: valuation stock and fixtures; books kept. Apply 276/972, Office of this Paper.

DRUG Store for Sale, main thoroughfare, Liverpool; low rental; opportunity for Qualified Chemist with small capital. For further particulars apply Parkin S. Booth, 2 Bixteth Street, Liverpool.

GOOD Sound Chemist-Optician Business for Sale in South Wales progressive town; average turnover for last three years £2,200; low rent and rates; chartered accountant's figures; reason for disposal: owner taking up medicine; price £1,500 cash. 178/5, Office of this Paper.

HERBALIST, acquiring new premises, offers present shop and living accommodation to Qualified Chemist; entirely unopposed; opposite Town Hall, main road; 15 years' lease at £104, exclusive; densely populated district; price for part stock, fixtures, etc., £120. Call 93 Harrow Road, W.2, near Edgware Road.

RETAIL and Dispensing Business for Sale owing to death of owner; seaside resort and close to sea front; N.H.I., Photographic and Ucal. 182/15, Office of this Paper.

BUSINESSES WANTED.

ADVERTISER desires management of Drug and Photographic Store with view to succession; must be sound and offer excellent scope for further development; proprietor considering retirement which would suit beginner; all replies treated in strict confidence. 180/5, Office of this Paper.

ADVERTISER wishes to invest up to £250,000 in an established business having a good record of profits; any business with profits of not less than £12,000 per annum or a business where profits have grown progressively for the last 3 or 4 years would be considered; management would not be required; to the contrary, the advertiser would prefer the existing management to remain if possible. Principals only are requested to communicate direct, giving brief details as to profits, nature of business, scope for developments and price required, to 180/1, Office of this Paper.

ANNIS MEDICAL AGENCY LIMITED,

51 SOUTH KING STREET :: :: MANCHESTER, 2
Blackfriars 4451-2

BLACKPOOL.—Old established business taking £37 per week, profits good; rental £130. Vendor has been unable to develop business owing to accident. Great scope for increase for energetic man. Full wine licence. Price for quick sale, £1,300 or nearest offer.

CHEMIST'S Business required in or near Darlington; turnover about £2,000; with Optical Department or scope for same; must be sound and stand strictest investigation. Full particulars to 182/16, Office of this Paper.

PRIVATE Chemist desires to purchase good-class business, convenient to Walton, Woking or Staines; house preferred, but not essential; must show £500 minimum net profit; strictest confidence observed; cash transaction; bankers' reference supplied. 182/4, Office of this Paper.

REQUIRED this Spring, Genuine Well-established Business; situated in Southern Counties, not London; turnover about £2,000 p.a.; retirement or death vacancy preferred. Please give full details, in confidence, to 183/54, Office of this Paper.

SURGICAL INSTRUMENT MANUFACTURERS or Allied Trade.—Wanted to buy for cash, Works or Business showing audited profits minimum of £2,000. Full particulars in confidence to Principal, 183/300, Office of this Paper.

PREMISES TO LET.

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

HIGH-CLASS Shops to Let in new parade in best part of High Road, Streatham, from £140-£500 per annum. Apply Letting Manager, 17 Streatham High Road, 'phone Streatham 9627, or Bell Investment Trust, Ltd., 115 Park Street, Mayfair, W.1. 'Phone Mayfair 4201.

SIDCUP.—Main road, in a new parade, where only domestic traders are tenants; negotiations in hand for three of the four unlet shops; excellent corner shop and upper part to let, £150 per annum; shop front will be fitted or allowance made. Managing Agents, Healey & Baker, 29 George Street, Hanover Square, W.1. Mayfair 2965 (10 lines).

APARTMENTS.

THE HAMPDEN RESIDENTIAL CLUB

FOR GENTLEMEN, Hampden Street, N.W.1. Close to King's Cross and Euston. 300 Bedrooms. 12s. 6d. to 25s. per week, including bath, attendance and boot cleaning. All meals à la carte in dining room. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary. Euston 2244/5.

APPOINTMENTS.

THE HOSPITAL FOR SICK CHILDREN, Great Ormond Street, London, W.C.1.

CHIEF Pharmacist, male (non-resident) required, not over 45 years of age and preferably under 40. Commencing salary £450 p.a., subject to deduction under the Federated Superannuation Scheme for Nurses and Hospital Officers.

Applicants must be Members of the Pharmaceutical Society, and have had previous Hospital experience.

Forms of application are obtainable from the undersigned.

H. F. RUTHERFORD,
Secretary.

AGENCIES.

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

German firm wishes to confer the **EXCLUSIVE SALE**

of a patented F/Trade-mark article without any competition, affording extraordinary possibilities of turnover, already well introduced in several European countries, for the first time for Great Britain, Ireland, Colonies and Dominions, chiefly to be sold through druggists. Persons or firms able to organize the sale of a new marks article on a large scale, if possible already having own sales organization and willing also eventually to undertake production in England, are invited to reply stating references to:

**B.6754 c/o ALA Anzeigen A.G.,
Berlin W.35**

DENMARK.—Manufacturing and sole selling rights are wanted for Denmark for known Cosmetic Products (backed by advertising) by a firm with good Manufacturing and Selling Organisation; direct import impossible owing to high duties and import restrictions; Perfumery Chemist employed; first-class references. Write 180/3, Office of this Paper.

FRANCE.—To Manufacturers wishing to establish their specialities in France—the nearest and most important market in the world—a party, representing already two British P.A., with complete organisation, sales staff, 72 depots in the provinces and French Colonies, office and warehouse, etc., is seeking Agency for one or two more lines. Please write, with full particulars, 172/3, Office of this Paper.

BUSINESS OPPORTUNITIES.

PROPRIETORS of Proprietary Products desirous of employing the services of a Pharmaceutical Sales Consultant at a moderate fee and commission based on results are invited to communicate with the advertiser, who is free to develop the sale of products which are not competitive with those of existing clients. 183/16. Office of this Paper.

DIRECTORSHIP.

VACANCY occurs for Chemist with Wholesale experience to acquire Secured Interest and Directorship (with or without employment) in profitable Wholesale; qualification unnecessary. Apply, giving particulars (which will be treated in confidence), 183/30, Office of this Paper.

APPRENTICES.

APPRENTICE required; Pharmacy; outdoor; Matric. or equivalent essential. 183/19, Office of this Paper.

REPLIES FROM ADVERTISERS.

THE NOTTINGHAM CO-OPERATIVE SOCIETY, LTD., thank the numerous applicants who applied for the position of young Qualified Chemist recently advertised; the position is now filled.

SITUATIONS OPEN.

RETAIL (HOME).

6s. for 40 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

HOVE.—Qualified Lady Assistant, with good Dispensing and Counter experience; permanent position to right applicant; state salary and full particulars when applying; photo if available. 183/29, Office of this Paper.

LANCS.—Qualified Man to assist in Light Retail Business. Full particulars, including salary, which must be moderate, age and copies of recent references, to 183/4, Office of this Paper.

LINCS.—Unqualified Junior Assistant required for Retail; Window-dressing, Stock, Counter and General work; applicants should give full particulars, stating age, experience, salary required and references, but not original testimonials. Grimble & Kent, Chemists, 15 High Street, Boston.

LONDON.—Qualified Assistant required shortly, with knowledge of Photography; good house available for married man. Apply by letter, stating age, experience, when free and salary required, to the Secretary, Shadforth Prescription Service, Ltd., 49 King William Street, E.C.4.

MANCHESTER.—Young, energetic Qualified Assistant for quick Counter and N.H.I.; Window-dressing; working-class district; not afraid of work. Apply with full particulars, salary, etc., to Tomlinsons' (Manchester), Ltd., 21 Embden Street, C-on-M., Manchester, 15.

MANCHESTER ROYAL INFIRMARY.—Young Assistant Pharmacist (temporary) (male) required; salary £200 per annum. Apply, giving full particulars, to the General Superintendent.

MIDLAND City.—Qualified Lady Assistant required for middle-class business. Apply, stating age, salary required (moderate), with copies of references, to "C.H.S.," 184/1, Office of this Paper.

SALISBURY.—Unqualified Male Assistant; permanency; must be good Salesman and Window-dresser; full particulars first letter. Arthur W. Foot, 148 Fisherton Street, Salisbury.

S.E. SUBURB.—Young, Qualified Male Assistant, with general experience, including Photographic and Window-dressing. Write, enclosing photograph, to 10 The Drive, Bexley, Kent.

WALTHAMSTOW.—Young Qualified Assistant for busy N.H.I. and Counter. Full particulars, salary, etc., to J. B. Reynolds, 85 Wood Street, E.17. No stamped addressed envelopes, please; applications not answered in 5 days respectfully declined.

WARE, HERTS.—Smart, Unqualified Junior required, immediately; accurate Dispenser, Window-dresser, cheerful and obliging personality. State salary and full particulars, first letter, to Jones, 10 D'Arcy Drive, Kenton, Middlesex. Letters not answered in 5 days respectfully declined.

A PHARMACIST required for an old-established business on the South Coast; large staff kept; a man who is courteous, competent and of good personality, capable of controlling staff; must be strictly honourable and thoroughly experienced; first-class position; excellent prospects; efficient salary; state age, experience; permanency for first-class man. Apply 178/6, Office of this Paper.

A YOUTH wanted; with some knowledge of Pharmacy and Salesmanship; hours 9 a.m. to 8 p.m.; Saturdays 9 a.m. to 1 p.m. (no Sunday duty); wages £2 weekly. Epps, Thatcher & Co., 60 Jernyn Street, London, S.W.1.

ASSISTANT, Unqualified, required for High-class Dispensing and Family Business; must be good Dispenser, Salesman and Window-dresser; permanency for good all-round man; age, references, etc. Apply to S. A. Sheard, M.P.S., 9 Leeds Road, Harrogate.

CAPABLE Dispenser required; young and energetic; S.E. London. 276/971, Office of this Paper.

CAPABLE Qualified Senior Assistant (male) required; accustomed to good-class business; good Counter manner and pleasing personality; Window-dressing and knowledge Photography essential; please state age, height and full particulars of experience, salary required, photo if possible; references essential. Symonds, Chemist, Ipswich.

JUNIOR Assistants wanted; just out of apprenticeship would suit; one for good-class business, Chertsey; other for middle-class, London, S.W.; permanencies. Full particulars, including salary required, which must be moderate, to Robertshaw, Chemist, Chertsey.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 100 to 150 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

M.P.S.—LADY or Gentleman as Assistant; permanency; Dispensing, N.H.I. and Counter; good all-round worker. Please write Mr. A. Smith, Tudor House, Sockets-Heath, Grays, Essex.

M.P.S.—LADY or Gentleman; permanency; for S.E. Essex; active and obliging at Counter; good knowledge of Toilets and Photography; light business N.H.I. State salary required, age, full particulars and send two copies of references to 183/31, Office of this Paper.

QUALIFIED Chemist required for branch to be opened in May. Application forms can be obtained from Grays Co-operative Society, Ltd., 68 High Street, Grays.

QUALIFIED Chemist (28-35) wanted, middle April, to open new branch, London suburb; married; house available; sound knowledge all branches; business ability and personality essential; good commission; fullest particulars and photo in first letter. Philip Hudson, Wisbech.

QUALIFIED Lady Assistant (24-30) required; must be capable Window-dresser and have good knowledge of Toilets and some Photography; permanency, with good prospects. Apply, either personally or in writing, to Howard's, Ltd., 182/4 Old Kent Road, S.E.1.

QUALIFIED Lady (preferably 21-25) required immediately; permanency; Toilet, Dispensing and Photo. Apply, stating full particulars and salary expected, to J. M. Dodd, Chemist, 4 Westgate, Ripon.

QUALIFIED Lady wanted; with a few years' experience; must be capable of taking charge of branches during relief; state salary required and experience. W. H. Green (Chemists), Ltd., 28 Earl Street, Coventry.

QUALIFIED Locum required for branches in the London area for a continuous period from June 21st to September 27th; kindly state age, experience, giving references and salary required. 182/190, Office of this Paper.

QUALIFIED Manager-Buyer required; must be good Salesman and used to High-class Store trade; no Sunday or evening duties; Saturday mid-day closing. Full particulars and photo to Cater, Stoffell & Fortt, Ltd., Departmental Stores, Bath.

QUALIFIED Managing Assistant (35 to 50) for good-class Country Business; single; Agricultural and Photographic experience required; Window-dressing; one seeking permanency; board-residence; state full particulars and references. 183/53, Office of this Paper.

QUALIFIED Relief Managers required for the summer season; applicants must be well up in modern Pharmacy; capable of control; energetic and live business men; good salary and commission; permanencies will be offered to competent men. Apply, giving age, full particulars of experience and salary required, to Retail Staff Manager, Timothy Whites & Taylors Ltd., Chandos Street, Portsmouth.

QUALIFIED Manager for Forest Gate district in three weeks' time; please state age, height, experience, salary required, and give references, to bear the strictest investigation. 182/19, Office of this Paper.

UNQUALIFIED Assistant (about 21); reliable Dispenser, N.H.I., Counter, Window-dressing. Apply, with full particulars, wages required, K. L. Hiscock, 314 Sangley Road, Catford, S.E.6.

UNQUALIFIED Assistant required at once; for country town, 1½ hours from London; must have personality and be used to highest class business. Apply, with usual particulars, age and salary required, 183/15, Office of this Paper.

UNQUALIFIED Junior Assistant (20-30), Male, required at once; N.H.I. and Counter; good position for reliable worker. D. Thomson & Co., 137 Queen's Crescent, Kentish Town, N.W.5.

UNQUALIFIED Male Junior Assistant or Improver required; good Dispenser and Window-dresser essential. Send photo and usual particulars, with references and salary required, to Raymond Cope, Cawdry Pharmacy, Leek, Staffs.

WANTED at once, Junior or Improver, just out of apprenticeship; give usual particulars and reference. Ward, Chemist, Chester.

WANTED for First-class Light Retail and Dispensing, no N.H.I., young Male Assistant, Unqualified; must have good personality; state experience and salary required; enclose photo if possible. Donald McKinnell, Ltd., Pharmacists, Wood Hill, Northampton.

WANTED, London, S.E.1, locum, Qualified, for Easter week, including Saturday, April 11th. Apply, stating full particulars, to 182/8, Office of this Paper.

WANTED, Qualified Lady or Gent. for Dispensing and Counter; state wages and experience. Also Unqualified Lady for Counter. Herbert's Drug Stores, 24 Tachbrook Street, S.W.1.

WANTED—Qualified Man (between 25 and 35); must be good at Panel Dispensing, Counter and Window-dressing, and have first-class references; Brixton area. Please send full particulars, wages, etc., to 109 Petts Wood Road, Orpington, Kent.

YOUNG Assistant for South Coast town; accustomed to high-class Retail and Dispensing; good appearance and address essential; photo and salary and full particulars first letter. 183/2, Office of this Paper.

YOUNG Lady Assistant required at once for Toilets and Drugs; good Counter experience and Window-dresser essential; permanency for suitable applicant. Dome Drug Store, Ltd., 6A Dome Buildings, Richmond, Surrey.

YOUNG Qualified Assistant for small business; N.H.I. Dispensing; progressive situation for right man; London residents please only apply. Usual particulars to I. J. Kudish, M.P.S., 114 Commercial Road, E.1.

WHOLESALE.

LONDON.—A well-known company has a vacancy, in a commercial capacity, for a man (25-28) who has sound Chemical knowledge, as evidenced by a university degree or its equivalent.

Applicants, who should be preferably unmarried, must have a fluent knowledge of French (German also if possible) and be prepared to travel; previous commercial, as distinct from technical, experience will be an advantage.

Communications, which will be treated as confidential, giving fullest details of training and experience, and stating salary required, should be addressed to 276/957, Office of this Paper.

A WELL-KNOWN Company requires the services of a few Young Expert Medical Propagandists; preference given to Qualified Pharmacists possessing the necessary experience; state full experience, age, salary required; send photograph if possible, which will be returned. 276/953, Office of this Paper.

COMPETENT Pill Maker required by Wholesale House, Midlands; state experience and last salary. 276/955, Office of this Paper.

ENERGETIC Representatives now calling on Chemists and Photographic Dealers wanted to carry additional line of Proprietary Roll Films on liberal commission basis. P.C.B. 198/11, Office of this Paper.

EXPERIENCED Traveller wanted to call on Retail Chemists; must have proved records; salary and commission; state age, area covered and experience. 183/27, Office of this Paper.

GLAXO LABORATORIES, LTD.

ASSISTANT CHEMIST (Pharmaceutical).—Applications are invited from Qualified Pharmacists, with previous laboratory experience, for appointment on Laboratory Staff; age should not exceed 30 years; preference will be given to candidates who are university graduates in science (chemistry) or pharmacy.

Communications, which will be treated as confidential, giving fullest details of training and experience and stating salary required, should be addressed to the Managing Director, Glaxo Laboratories, Ltd., Greenford, Middlesex.

JUNIOR Clerk (male) (about 18) required in the office of London Wholesale Chemists. Write, with particulars of experience, wage required, etc., to 276/975, Office of this Paper.

KEEN Representative required for the Midlands to carry "Luton" and "Auroral" Dyes, also Pharmaceutical Products, in addition to non-clashing lines already handled; weekly expenses allowance and liberal commission. Full particulars to Whitaker & Co. (Kendal), Ltd., Manufacturing Chemists, Kendal.

LADY, Hall qualification, required for Perfumery Laboratory; permanency if suitable. Write, stating age, salary required, and experience, 276/958, Office of this Paper.

MALT Extract.—Manufacturers require Representatives on commission; preference given to applicants who have experience of the trade; state age, experience and territory covered. Apply Box No. P.412, 19-21 Corporation Street, Birmingham.

MANUFACTURING Cosmetic Firm requires Representatives with connections among High-class Hairdressers and Chemists, London and Provinces; whole time; salary and commission; good opportunities right men. Write, stating age, experience and salary required, P.C.B. 198/13, Office of this Paper.

PART-TIME Representatives wanted for reputable nationally advertised Chemists' line; vacancies exist for Newcastle area, Scotland, Eastern Counties, South Coast and South-Western Counties; part expenses and good commission. Write in confidence, stating age, experience, and if using own car, 185/50, Office of this Paper.

REPRESENTATIVE required for South-West England (must be resident) with reasonable connection of Hairdressers and Chemists, taking Toilet Preparations and Sundries (non-proprietary); state fully experience and salary required. Reply 183/10, Office of this Paper.

REPRESENTATIVE wanted by Well-known Manufacturers of Finest Soaps and Toilet Preparations for suburbs of London, Essex, Herts., Surrey, Kent and Sussex; only applicants will be considered with previous experience and connection amongst stores and chemists, and with a thorough knowledge of the trade. Apply with full particulars as to age, previous experience, etc., to 276/956, Office of this Paper.

REPRESENTATIVE wanted for London and Provinces by Manufacturers of Well-known Toilet and Proprietary Preparation; progressive position for right man. Apply, stating full particulars as to experience, etc., 276/974, Office of this Paper.

REQUIRED.—Analytical Chemist for Soap and Perfumery Factory in East London; applicant must be under 25 and have had one or two years' Analytical experience. Write, stating age, qualifications and salary required, to 276/970, Office of this Paper.

THREE Representatives for (a) Midland Counties, (b) Yorkshire and district, (c) South Wales and district; must have proved connection Chemists, Stores, etc.; salary, commission and expenses; must have car. "Fayard," Manufacturing Perfumers, 516 London Road, Thornton Heath, Surrey.

UNDER-FOREWOMAN required for Shampoo Manufacturers. Write, stating experience and salary required, 276/959, Office of this Paper.

WANTED immediately, Commercial Analytical Chemist; willing to do clerical work part time; permanent position; state age, experience and salary required. 276/954, Office of this Paper.

WANTED.—Traveller calling Retail Chemists, to carry additional lines; small salary and commission; state age, records and experience. 183/270, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN

EASTERN COLONY.—Qualified Assistant (23-26), with Optical experience, wanted by British company; single; smart appearance and address; 4 years' engagement; passage paid out and home. Write, with full particulars, experience, etc., to Box Y 185, Willings, 133 Moorgate, London, E.C.2.

NAIROBI.—For British firm; Qualified Assistant (24-27); single; competent Dispenser; accustomed to good-class Retail business; 3 years' engagement; passage paid out and home; salary £30, £32 10s., £35 per mensem yearly. Write, with full particulars of experience, to Frank Ross & Co., 9 Fenchurch Avenue, London, E.C.3.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require Partners. Agents or Assistants or wish to Sell their Businesses, an Advertisement in this Supplement placed in every copy of "The Chemist and Druggist" should be the readiest means of helping them to attain their object. The tariff for such announcements is given on the front page of this Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

SITUATIONS WANTED.

RETAIL (HOME).

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.—QUALIFIED Chemist (27) desires permanent position as Manager or Assistant; London area. Thomas, 95 Dudley Gardens, Ealing, W.13.

A CHEMIST, M.P.S., requires permanency; South Coast; (age 30, height 5 ft. 10 in.); married; keen Photographic Salesman; capable Dispenser and Prescriber; 12 years' experience; 8 years Manager; free one month; state salary. "Chemist," 80/81 Guilford Street, Russell Square, London, W.C.1.

A CHIROPODIST, Qualified (Male), with 8 years' Counter, Photographic, Window-dressing experience, requires post as a Chiropodist with Chemist; willing to open new department and help in shop. 175/12, Office of this Paper.

ACTIVE Pharmacist seeks Managership; locum, relief work; disengaged; 20 years' managerial experience; excellent references. "M.P.S.," 54 Cornwall Road, Ruimsip Manor, Middlesex.

APRIL 27.—Qualified (26); Assistant or Manager (previous experience); excellent references; keen, hard worker; thoroughly experienced ("Square"-trained); permanency; London, Kent, Surrey, Sussex. "H.," 60 High Street, Chatham, Kent.

ASSISTANT, male, Unqualified; married; 15 years' good experience; 5 years manager; conscientious and capable worker; trustworthy; London area preferred; moderate salary; disengaged. Reed, 8 Butter Hill, Wallington, Surrey.

ASSISTANT, Unqualified; thoroughly experienced; Dispensing and Counter; locum or permanency; disengaged. F. Ham, 10 Disraeli Road, Putney, S.W.15.

ASSISTANT (25), Scot; unimpeachable references; West-End experience; good appearance, personality; West End preferred. Steven, 32 Raul Road, Peckham, S.E.

ASSISTANT; 30 years' experience Dispensing and Counter; single; active; Unqualified. Statim, 38 Felcote Avenue, Ravensknowle Road, Moldgreen, Huddersfield.

CHEMIST, experienced, excellent Prescriber, disengaged, desires Management or Senior; London or provinces; moderate salary. "Chemist," 46 Buckley Road, London, N.W.6.

CHEMIST-OPTICIAN seeks responsible permanency as Manager; keen, competent business man; with previous managerial experience; would be willing to introduce Optics to business of reputable firm; references, etc., on request; disengaged. "Chemist," 160 Roundhay Road, Leeds, 8.

CHEMISTS very strongly recommend their apprentice as a good Junior Assistant. He is well trained in every detail of the routine of the business, a very good Counterman and an accurate Dispenser. He has a fine appearance and personality, combined with splendid disposition and temperament. Tall, age 21; Liverpool area preferred. Apply, stating salary, etc., "Salol," 276/973, Office of this Paper.

DISPENSER-SEC., excellent experience, testimonials, requires post; locum or permanency; London or near. Apply "Indigo," 82 Clapton Common, E.5.

EVENINGS.—M.P.S. (29), studying, has any of the following evenings free; Monday, Tuesday, Thursday, Friday; thoroughly experienced and highest references; reasonable terms. "Chemist," 61 Oxgate Gardens, N.W.2.

EXPERIENCED capable Assistant (45); tall; Unqualified; keen Salesman, quick Dispenser, Photo, Windows, Agricultural, etc.; conscientious and trustworthy; town or country; disengaged. Haigh, 25 Hetley Road, Shepherd's Bush, W.12.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensue. Strict attention to this detail will be appreciated.

EXPERIENCED Manager, thoroughly reliable, 6½ years present position, seeks engagement, temporary, permanent, or view succession; South Coast, Sussex preferred; disengaged month's notice. M.P.S., 183/41, Office of this Paper.

LADY as Assistant Dispenser to Chemist or Doctor, Unqualified; seaside or country preferred; disengaged. M. S., 107 Shirley Road, Southampton.

LADY Assistant; experienced Drugs, Toilet, Perfumery, Window-dressing; Scholls Practisedist. "Advertiser," 217 Leam Terrace, Leamington Spa, Warwickshire.

LADY Dispenser (Qualified) seeks post with Doctor or Institution; excellent references; capable and reliable; good Dresser; present post 8 years. Evans, 216 City Road, Cardiff.

LADY Dispenser (20), Matriculation, Hall certificate, seeks post with Doctor, Chemist or Hospital; preferably South London or Croydon district. Apply Barker, 96 Canterbury Grove, London, S.E.27.

LADY Secretary-Dispenser, Qualified (Hall), well experienced, requires post with Doctors or Hospital; in or near London; highest testimonials. Mrs. Pinck, 23 St. Catherine's Road, Littlehampton.

LOCUM.—Disengaged; any period; good references; moderate terms; part time entertained. "Chemicus," 56 Rudloe Road, Clapham Park, S.W.12.

LOCUM, Lady, Unqualified, seeks post Dispensing and Counter; excellent references; free now. "M., 7 Dunbar Road, Forest Gate, E.7.

LOCUM or permanency; extensive experience in all branches; disengaged. "M.P.S.," The Croft, Old Farm Road, Withdean, Brighton.

LOCUM, Qualified; ex-proprietor; all-round experience; highest references; moderate terms. F. Fensome, Chapel Road, Ravensden, near Bedford.

LOCUM.—Qualified; ex-proprietor; experienced Pharmacist; Scotland and England; disengaged. James Lees, Beechwood, New Cumnock, Ayrshire.

LOCUM (28); free one month; any distance; fully experienced; Family, High-class Dispensing; town and country. Robinson, 12 Rowan Avenue, Whalley Range, Manchester.

MANAGER, Qualified, seeks position (resident or outdoor); thoroughly experienced; free at short notice. "Pharmacist," 12A New Parade, Hayes End, Middlesex.

M.P.S., F.N.A.O.—LONDON experience; owing to sudden bereavement desires position as Manager; in Lancashire; free one month's notice. 182/13, Office of this Paper.

M.P.S. (32) desires permanency in Brighton or near; Manager or Senior Assistant; 14 years' excellent general Retail experience, 6 years manager; capable and trustworthy; excellent references; at present managing. "Chemist," 157 Fellows Road, London, N.W.3.

M.P.S. (23) desires post as Assistant to Chemist-Optician; London preferable; moderate salary; free March 30th. 182/12, Office of this Paper.

M.P.S. (25), tall, energetic, conscientious; good Managerial experience, requires permanency as Branch Manager; Dispensing, Photographic, Counter; excellent references. "Competent," 27 Albert Road, Levenshulme, Manchester.

PART TIME.—Qualified (28); good West-End experience; conscientious; thoroughly capable in all branches; highest references; London. P.C.B. 198/7, Office of this Paper.

QUALIFIED Young Lady, Square-trained, seeks post as Assistant; moderate salary; disengaged; S.E. London or surrounding Kent districts preferred. "S. B.," "Dulcamara," Mottingham Lane, Mottingham, S.E.9.

QUALIFIED (24); London and provincial experience; quick Counter and Heavy Dispensing; smart appearance. 181/9, Office of this Paper.

QUALIFIED (30), wide experience, including West End, desires part-time position. 181/5, Office of this Paper.

UNQUALIFIED Assistant (26); gentleman; Dispensing, Counter, etc.; thoroughly experienced; excellent testimonials; disengaged. "Assistant," 44 Meads Lane, Seven Kings, Essex.

UNQUALIFIED Assistant (24), male; 7 years' good experience; Dispensing, Photographics, Window-dressing, Toilets; conscientious worker; disengaged. Spearman, Kepier Hall, Houghton-le-Spring, Co. Durham.

UNQUALIFIED (bachelor); long experience sole control; good address; whole, part locum; any capacity; anywhere; small remuneration; kindly state particulars. 183/51, Office of this Paper.

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WHOLESALE.

ADVERTISER wishes position in established Proprietary Manufacturing House where the experience gained in 12 years' successful Retail ownership would be of definite value in marketing to the Retail; energetic, educated, and with a personality; with or without suitable investment. 183/23, Office of this Paper.

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EXPERIENCED Representative, calling on Hospitals and Wholesalers, is open to represent additional firm on part expenses and commission. Reply P.C.B. 198/6, Office of this Paper.

EXPERIENCED Wet Counter (4 years Foreman), Galenical Manufacture, etc.; age 31, conscientious and reliable, seeks progressive position; excellent references. "Capable," 325 Holyhead Road, Coventry.

GENTLEMAN, Qualified, widely travelled, with excellent Executive experience, special knowledge of Export Work and Markets, seeks suitable position; would act as Representative at home or abroad. 182/21, Office of this Paper.

MEDICAL REPRESENTATION.—Expert Propagandist, with unexceptionable credentials, wide experience amongst Physicians, Surgeons, Institutions, Clinics, sound knowledge Medicine, Therapeutics, desires re-engagement. "A.," 21 Gloucester Place, Brighton.

PROFESSIONAL/TRADE PROPAGANDA, SALES.—Doctors, Chemists, Licensed Traders; car; long experience; any investigation. "Responsible," General Gordon Hotel, Weymouth.

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